BIOPHILATELY

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BONSAI 2

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Send membership enquiries and change of address notices to the secretary, Chris Dahle, (319) 364-4999, address above. See the following page for dues rates.

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The purpose of this journal is to provide members with informative articles dealing with biological topics and to publish listings covering the new **zoological** and **botanical** issues of the world, identified and classified to the best of our ability.

Please send letters, comments on the journal, articles, or new material to the editor (data above). The editor will handle requests for issues from the current year. Contact the librarian (address above) for copies of all other issues.

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PLEASE NOTE: Material for the next issue should be in the hands of the editor before 15 November 2021.

FROM THE EDITOR'S DESK

Chris Dahle, BU 1269

Welcome Peter Voice as Marine Invertebrates Associate editor. It has been a while since we had a column from Ian Hunter, our previous Associate editor. Although Peter is a relatively recent member of the Biology Unit, he has been active in submitting articles to *Biophilately*. You will recognize his recent articles on the Bakony fossils of Hungary and on fossil amphibians. There is more to come as he has submitted more articles that we will publish soon. Peter is on the faculty of Western Michigan University in Kalmazoo, in the Department of Geological and Environmental Sciences. He also works for the Michigan Geological Repository for Research and Education where he is Director of the K-12 Earth Science Outreach Program. It sounds like he is a busy man. We appreciate his taking on this additional duty.

In July the Minnesota Stamp Expo was the first World Series of Philately show to go live since the beginning of the pandemic. I had been invited to judge the 2020 show, but when it was canceled, the same jury was asked to come back for the 2021 show. The organizers were able to get 31 exhibits to fill the minimum 125 frames. With COVID rampant once again, we may see that some of the shows now scheduled will have to cancel. I hope that does not happen, but everything seems to be in flux, even though most of the attendees at the shows do seem to be vaccinated. All of the people at the shows both in Minnesota and in Chicago were excited to be there after more than a year without the opportunity to share the hobby with other collectors.

On page 185 you will find the second part of Paul Mistretta's article on illegitimate stamp issues. He raises important points which all of us should probably consider, both the collectors of these issues and our editors who list them in these pages. Many of the new listings that we have been publishing recently are entirely or substantially issues that do not have catalog recognition. That is not to say that they will never be cataloged. Many of them eventually are. So please let us know whether you find these listings useful. As editors, do we continue listing them? If so, why? If not, why not? Should we wait for them to appear in the catalog before we list them?

The final installment of Roger Cichorz's Bonsai checklist appears in this issue. I hope that it will inspire some new Bonsai collectors. I am pleased to announce that I have received a number of articles for publication. I try to offer a variety of topics in each issue. Many of the articles I have on hand are of botanical subjects, so some of those will have to wait until I have space for them.

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On-line membership $15	

Please see the Biology Unit web site (www.biophilately.org) for membership applications. Several payment options are available. Send applications and payments payable to the Biology Unit of ATA to Chris Dahle, 1401 Linmar Dr NE, Cedar Rapids, IA 52402

PRESIDENT'S MESSAGE

I am now trying to catch up to my usual routine after attending GASS, the Great American Stamp Show. The show was certainly a lot of fun. It was wonderful to see people again and share our love of philately. Covid still has people hesitant to venture out and attend shows. They were certainly missed, but better cautious than sick. The ATA booth remained quite busy throughout the show, with a number of new members. The dealer booths likewise remained active for most of the days. I know I added to their success! The Biology Study Unit meeting was lightly attended. I was hoping to see more people, but Covid again kept many members at home. Hopefully next year's meeting in Sacramento will be covid-fear free.

When I returned home, I unpacked the car, checked on my fish, and then the garden. All the fish were fine and I found my Neolamprologus brichardi had spawned again. Outside, the garden had changed. More weeds to get rid of and a lot of deadheading this weekend. On close inspection I was excited to discover a Monarch butterfly caterpillar on my milkweed plant! They are beautiful. I now see five hummingbirds fighting over the same feeder now, when I left there were only three. Someone is chewing off the stems of a multitude of my flowers. I don't think that bunny is so cute anymore! And now there is a mole coming over from next door's yard, I can't win.

Enjoy this issue and stay safe.

Laurie

SECRETARY'S CORNER

ELECTIONS

Ten ballots were returned. All the officers were re-elected unanimously.

New members

Please welcome Tan Heok-Tui #1911 of Singapore and Jamie Corn #1912 of New York

NEWS OF NOTE

The Great American Stamp Show

Christopher Dahle BU1269

After canceling the joint show in 2020, the American Philatelic Society, the American Topical Association and the American First Day Cover Society held the long-awaited show from August 12-15 at the Donald E. Stephens Convention Center in Rosemont, Illinois (a suburb of Chicago adjacent to O'Hare Airport). When the doors opened at 10 o'clock on Thursday morning there was already a large group of collectors waiting to get in.

There were three First Day ceremonies on Thursday. At the first one, the USPS unveiled the set of eight Back-yard Games. The Faroe Islands Post, Post Greenland and Postnord Denmark released a joint issue commemorating stamp engraver Czeslaw Slania's birth 100 years ago. The United Nations issued a commemorative stamp for Mother Teresa. Stamp engraver, Martin Mörck, who worked on the Slania and Mother Teresa stamps was scheduled to be at the ceremonies but he was unable to travel to the U.S.

On Friday the ATA held its annual membership meeting. President Dawn Hamman recounted what has happened over the past year. Executive Director Jennifer Miller gave a report on how the ATA is doing, including an increase of 10% in membership from July 2020 to July 2021. Three volunteers, Ann Byerly, Lynn Vernon and Terry Watson were recognized with awards.

ATA VIce President Tom Broadhead addresses the annual meeting of the American Topical Association

The Biology Unit met for its usual Saturday morning annual meeting. There was a small group: Dick Roman, Dale Shively, Susan Jones, Van Siegling, Jean Wang, Laurie Ryan and Chris Dahle. Topics of discussion were legitimate stamp issues and the lack of topical dealers at the show.

The Biology Unit made three awards for exhibits again this year. The awards were generously donated by Susan Jones. Phil Stager won the first award with his exhibit "The Coconut Palm – Palm of Life and Palm of Commerce." It also won the NTSS Grand. The NTSS Reserve Grand and the Biology Unit second award went to Greg Herbert for "An Ancient Partnership, and Uncertain Future: Butterflies, Moths and Man." Susan Jones won the third award for "The Coelacanth and the Comores."

The Biology Unit Awards. First, third and second, (L.to R.)

As far as I could tell, everyone seemed to think the show went off well, especially considering that they had only 2½ months to prepare for it. There were no dealers offering new issues, and Stamp Smith of Kansas City was the only topical dealer on the floor.

BONSAI STAMPS: A Checklist, Part 2

by Roger Cichorz

The first part of this checklist appeared in **Biophilaltely** Volume 70 (2) June 2021. Part two consists of four tables. The first is a list of unauthorized stamps of bonsai. The second is a list with artworks depicting stylized bonsais. The third table shows trees with bonsai appearance or effect as found in the ATA checklist of Bonsai. The last is a list of families and species of plants that appear in bonsai stamps.

Table 1a: Unauthorized or non-Scott-Listed Stamps with Designs Depicting Actual Bonsai Plants

Country	Scott #	Date	Description
Angola	Unauthorized	2000	Bangkok 2000, sheetlet of six different stamps (3 x 2 format)
			3,500,000K, *Rhododendron obtusum* (Japanese azalea)
			3,500,000K, *Taxodium distichum* (bald cypress)
			3,500,000K, *Wisteria sinensis* (Chinese wisteria)
			3,500,000K, *Quercus suber* (cork oak)
			3,500,000K, *Prunus*
			3,500,000K, *Olea europaea* (European olive)
Angola	Unauthorized	2000	Bangkok 2000, sheetlet of six different stamps (3 x 2 format)
			3,500,000K, *Pinus thunbergii* (Japanese black pine)
			3,500,000K, *Pinus thunbergii* (Japanese black pine)
			3,500,000K, *Buxus microphylla japonica* (Japanese boxwood)
			3,500,000K, *Wisteria sinensis* (Chinese wisteria)
			3,500,000K, *Buxus microphylla japonica* (Japanese boxwood)
			3,500,000K, *Pinus thunbergii* (Japanese black pine)
Congo		2009	SS with four different stamps, two depict unidentified bonsais
			400F
			600F
Congo		2009	SS with four different stamps, two depict unidentified bonsais
			400F
			600F
Congo		2014	SS with 1200F triangular, Ishitsuki (root over rock) style

Table 1a (Continued): Unauthorized or non-Scott-Listed Stamps with Designs Depicting Actual Bonsai Plants

Country	Scott #	Date	Description
Congo		2014	SS with four different 600F stamps (unidentified species of bonsais)
			Upper left, Neagari (exposed root) style
			Upper right, Yose-Ue (forest group) style
			Lower left, Kengai (cascade) style
			Lower right, Funinagashi (windswept) style
Djibouti	Unauthorized	2007	SS with four different 800F stamps depicting unidentified bonsais
	Unauthorized	2008	SS with two different stamps, one (150F depicts unidentified bonsai)
	Unauthorized	2008	SS with two different stamps, one (150F depicts unidentified bonsai)
Liberia		2005	SS with two different $5 stamps depicting unidentified bonsais
Mali			SS with two different 1000F stamps and two nondenominated labels, stamp at right depicts Japanese white pine *(Pinus parviflora*)
Rwanda	Unauthorized	2005	SS with one1200F stamp, inscribed “Bonsai tree” (unidentified)
Rwanda	Unauthorized	2007	Sheetlet of 12 (4 x 3) stamps with six (positions 2, 4, 5, 7, 10, and 12) depicting unidentified bonsais
Somalia		2002	Japex ’02, sheetlet of nine stamps (3 x 3 format)
			2500Sh., white pine (*Pinus parviflora/P. pentaphylla*) and dwarf bamboo (*Arundinaria pygmaea*)
			2500Sh., Japanese white pine (*Pinus parviflora/P. pentaphylla*)
			2500Sh., Japanese red maple (*Acer palmatum*)
			2500Sh., white pine (*Pinus parviflora/P. pentaphylla*) and dwarf bamboo (*Arundinaria pygmaea*)
			2500Sh., Japanese red maple (*Acer palmatum*)
			2500Sh., Chinese juniper (*Juniperus chinensis/J. x media*)
			2500Sh., Japanese elm (*Zelkova serrata*)
			2500Sh., Japanese black pine (*Pinus thunbergii*)
			2500Sh., Japanese red maple (*Acer palmatum*)

Table 1a (Continued): Unauthorized or non-Scott-Listed Stamps with Designs Depicting Actual Bonsai Plants

Country	Scott #	Date	Description
Somalia		2004	2500Sh., sheetlet of four stamps (2 x 2 format) (unidentified bonsais)
			2500Sh., pine (longleaf pine?)
			2500Sh., maple (trident maple?)
			2500Sh., pine (*Pinus sp*.?)
			2500Sh., maple (Japanese red maple?)
Somali Republic		2004	3000Sh., fig tree (*Ficus sp*.)
			3000Sh., Japanese red maple (*Acer palmatum*)
			3000Sh. manzanita/bearberry (*Arctostaphylos uva-ursi*?)
			3000Sh., juniper (*Juniperus sp*.?)
Somali Republic		2004	Four SSs titled Flora & Fauna with Boy Scouts symbol and butterfly in central design; each SS has one of the (perforated) stamps above
Touva		2006	35, flowering quince (*Chaenomeles speciosa)*
			35, common pomegranate (*Punica granatum)*
			35, hawthorn *(Crataegus sp*.)
			35, common crape-myrtle *(Lagerstroemia indica)*
			35, Morrow's honeysuckle *(Lonicera morrowii)*

Unauthorized stamps from Djibouti

Unauthorized stamps from Somalia

Table 2: Stamps Depicting Artwork Incorporating Stylized Bonsais

Country	Scott #	Date	Description
China (ROC/Taiwan)	2427-30	08/20/84	*The Eighteen Scholars*, Sung Dynasty hanging scroll
	2427		$2, Playing Musical Instruments – lower-left foreground: double-layered juniper in a blue, long tray; left edge: palm penjing (miniature landscape) on a raised stand
	2428		$3, Playing Chess – lower-right foreground: small pine in a jade-colored tray on a small table next to a cream stand holding tall stone in which is growing a brownish yellow-leafed plant on a cream-colored rectangular table
	2429		$5, Practicing Calligraphy – lower-left foreground: large pine in a long rectangular tray and two pentsai (plant landscapes) just behind and to right
	2430		$18, Painting – lower-right foreground: large conifer in a round tray
Gambia	1090	08/22/91	50b, Phila Nippon ’91, Donald Duck and Mickey Mouse playing “Go” – center background: bonsai in a blue-gray round tray
Gibraltar	661	08/22/91	£1.05, SS, PhilaKorea 1994, two bonsais in blue trays in sheet margin at bottom to left and right of central stamp + three (stylized) bonsais in rocks at left, center, and right above stamp
Grenada Grenadines	1319	05/06/91	$6, SS, Phila Nippon ’91, Disney tea ceremony – center foreground: bonsai in a tan round tray on table
Japan	1012-15	10/01/69	16th UPU Congress, set of four paintings (one stamp with bonsai)
	1014		50¥, *Two Women Reading a Letter* by Harunobu – right foreground: bonsai in a round pot on an elongated stand at top
Korea (DPR/North)		01/19/01	Right background: (bamboo clump) bonsai in a pot on a rectangular stand
Uganda	888-95	05/29/01	Phila Nippon ’91, set of eight, Disney scenes (three stamps with bonsais)
	889		20/-, bonsai in brown tray at left
	894		500/-, bonsai in tan pot at left
	895		2000/-, bonsai in brown tray at center

American Topical Association Bonsai Checklist Shortcomings:
• several catalogue number, date, and species identification errors

• naming and identification inconsistencies (primarily uses Scott identification versus various country specialized catalogues)

• includes bonsais (actual and stylized in art, paintings and tapestries), but also includes stamps depicting "trees with bonsai appearance or effect"); this is my major objection because the list only includes a

Table 3: Stamps Depicting Trees with Bonsai Appearance or Effect (ATA Bonsai List)

Country	Scott #	Date	Description
China (PRC)	1901-04	03/24/84	Set of three stamps + SS, showing portions of painting *Beauties Wearing Flowers*, by Zhou Fang (one stamp and SS depicts bonsais)
	1903		70f, shrub planted on rock
	1904		$2, SS, shrub planted on rock
China (ROC/Taiwan)	1835-40	06/20/73	Set of 14 stamps, showing designs from scroll titled *Spring Morning in the Han Palace*, by Chiu Ying (one stamp depicts bonsai)
	1835c&d		*Ladies Watering Peonies, Stone Ornament*
	1835e		*Lady Musicians* (two potted bonsais)
	1836		$5, *Ladies Watering Peonies, Stone Ornament*
	1838a		*Ladies Playing Go* (one potted bonsai)
China (ROC/Taiwan)	2030-32	01/12/77	Set of three, showing Chinese paintings of trees growing out of rocks
	2030		$2, *Bird and Plum Blossoms*, by Ch'en Hung-shou
	2031		$8, *Wintry Days* (pine), by Yang Wei-chen
	2032		$2, *Rock and Bamboo*, by Hsia Ch'ang
China (ROC/Taiwan)	2175-78	11/21/79	Set of four, showing Chinese paintings of trees
	2175		$2, *Trees on a Winter Plain*, by Wen T'ung
	2176		$5, *Bamboo*, by Wen T'ung
	2177		$8, *Old Tree, Bamboo, and Rock*, by Chao Meng-fu
	2178		$10, *Twin Pines*, by Li K'an
China (ROC/Taiwan)	2439-41	11/12/84	Set of three, showing tree branches
	2439		$2, pine tree
	2440		$8, bamboo
	2441		$10, plum tree (pale yellow bistre background)
	2441a		$10, plum tree (grayish tan background)

small percentage of the stamps showing these trees that could qualify. So, where does one draw the line in including these in such a listing? Include all or none! Also, trees in nature do not resemble bonsais; it is vice-versa where bonsais are "trained" to resemble the actual distressed trees found in nature.

Table 3 (Continued): Stamps Depicting Trees with Bonsai Appearance or Effect (ATA Bonsai List)

Country	Scott #	Date	Description
China (ROC/Taiwan)	2495-2500	01/10/86	Flora types of 1984 (cf., Scott #2439-41)
	2495		$1, pine tree
	2496		$11, bamboo
	2497		$18, plum tree
	2498		$1.50, pine tree
	2499		$7.50 bamboo
	2500		$16, plum tree
Japan	1003	07/21/69	50¥, *Cypresses*, painting attributed to Eitoku Kano
Japan	1071	01/21/72	20¥, aged and gnarled pine tree
	1071a		20¥, booklet pane of ten (5 x 2 format), aged and gnarled pine tree
	1282	11/16/77	50¥, aged and gnarled pine and flowers
	B35	09/15/69	50¥ + 10¥, aged and gnarled cherry blossoms
Korea (ROK/South)	781-86 781a-86a	06/20/71	Set of six stamps + six SS, paintings (one stamp and one SS depict bonsai)
	786		10w, *Man and Boy Under Pine Tree*, painting by Eitoku Kano, aged and gnarled pine tree
	786a		10w, SS comprising two stamps, *Man and Boy Under Pine Tree*
Korea (ROK/South)	1210	08/09/80	Aged and gnarled pine tree, Pavilion, Mountain

China (PRC) Scott #1903

China (ROC/Taiwan)
Scott #2495

Japan Scott #1014

Korea (ROK/South)
Scott #786

Table 4: Concordance of Bonsai Names and Families

Family Name	Common Name(s)	Scientific name
Amaranthaceae (amaranth)	No English common name Bai jiang guo xian (Chinese)	*Deeringia polysperma* Roxb.
Apocynaceae (dogbane)	Desert rose/pink sabi star/ mock azalea	*Adenium obesum* (Forssk.) Roem. & Schult.
	Wild water plum/water jasmine	*Wrightia religiosa* Hook f.
Boraginaceae (borage)	Fukien tea/Philippine tea	*Ehretia microphylla* Lam. (=*Ehretia buxifolia/Carmona microphylla/ Carmona retusa*)
Buxaceae (boxwood)	Japanese boxwood	*Buxus microphylla* Siebold & Zucc.
	Japanese boxwood/Harland boxwood	*Buxus harlandii* Hance.
Cactaceae (cactus)	Mammillaria/Arizona snowcap	*Mammillaria gracilis* 'Arizona Snowcap'
Caprifoliaceae (honeysuckle)	Morrow's honeysuckle	*Lonicera tatarica* var. *morrowii* (A. Gray) Q. E. Yang, Landrein, Borosova & J. Osborne (=*Lonicera morrowii*)
Celastraceae (spindle tree/staff tree)	Winged euonymus/staff tree/ spindle tree	*Euonymus alatus* (Thunb.) Siebold
Cupressaceae (redwood/evergren)	Juniper	*Juniperus sp.*
	Chinese juniper	*Juniperus chinensis* var. *sargentii (=Juniperus procumbens; =J. chinensis* var. *procumbens)*
	Chinese hybrid juniper/ pfitzer juniper	*Juniperus × pfitzeriana* (Späth) P.A.Schmidt *(=Juniperus x media)*
	Meyer juniper	*Juniperus squamata* (=*J. squamata* var. *meyeri*)
	Sargent juniper	*Juniperus chinensis* var. *sargentii* A. Henry
	Shimpaku juniper	*Juniperus chinensis* var. *sargentii* variant
	Sierra juniper	*Juniperus occidentalis* Hook.
Dipterocarpaceae (dilleniid dicot)	Mai khen/merawen bunga	*Hopea pubescen*s Ridl.
Ebenaceae (ebony)	Japanese persimmon	*Diospyros kaki* L.f.
	Bantolinao/bantulinaw	*Diospyros vera* (Lour.) A.Chev. *(=Maba buxifolia)*

Table 3 (Continued): Concordance of Bonsai Names and Families

Family Name	Common Name(s)	Scientific Name
Ericaceae (heath)	Azalea	(*Rhododendron arborescens*)
	Japanese azalea	*Rhododendron obtusum/Rhododendron japonicum*
	Satsuki azalea	*Rhododendron indicum* (L.) Sweet
	Manzanita/bearberry	*Arctostaphylos uva-ursi* (L.) Spreng.
Euphorbiaceae (spurge)	Bignay/Chinese laurel	*Antidesma bunius* (L.) Spreng.
Fabaceae (legume/pea)	Chinese wisteria	*Wisteria sinensis* DC.
	Logwood/bloodwood tree	*Haematoxylon campechianum* L.
Fagaceae (beech/oak)	English oak/pedunculate oak	*Quercus robur* L.
	Cork oak	*Quercus suber* L.
Ginkgoaceae (ginkgo)	Maidenhair tree	*Ginkgo biloba* L.
Lamiaceae (mint)	Headache tree	*Premna serratifolia* L.
Lecythidaceae (dicot/magnoliopsid)	Sea poison tree	*Barringtonia asiatica* (L.) Kurz *(=Barringtonia speciosa)*
	Wild almond/kandu almond	*Barringtonia acutangula* (L.) Gaertn.
Lythraceae (loosestrife)	Bantigue/small-leafed mangrove	*Pemphis acidula* J.R. Forst. & G. Forst.
	Crape myrtle/melindres	*Lagerstroemia indica* L.
Moraceae (fig/mulberry)	Fig tree/balete	*Ficus sp.*
	Banyan	*Ficus benghalensis* L
	Bodhi tree/bo-tree/peepul tree	*Ficus religiosa* L.
	Indian rubber plant	*Ficus elastica* Roxb. ex Hornem.
	Benjamin tree/Java tree/ weeping fig	*Ficus benjamina* L.
	Cluster fig	*Ficus racemosa* L. (=*Ficus glomerata*)
	Laurel fig/Chinese banyan	*Ficus microcarpa* L.f.
	Red balete	*Ficus concinna* (Miq.) Miq.
	Brown-woolly fig	*Ficus drupacea* Thunb. *(=Ficus pilosa* Reinw.)
	Sleekrodea/kalyos/ toothbrush tree	*Streblus asper* Lour.

Viet Nam Scott #3227

Philippines Scott #2918d

Table 3 (Continued): Concordance of Bonsai Names and Families

Family Name	Common Name(s)	Scientific Name
Nyctaginaceae (four-o'clock)	Bougainvillea	*Bougainvillea sp.*
Oleaceae (olive)	Olive tree/European olive	*Olea europaea* L.
Pinaceae (pine)	Banguet pine/Khasya pine	*Pinus kesiya* Royle ex Gordon (=*Pinus khasya* Hook./*Pinus khasyana*)
	Black pine	*Pinus jeffreyi* A.Murray bis
	Japanese black pine	*Pinus thunbergii* Parl. (=*Pinus thunbergiana*)
	Japanese white pine	*Pinus parviflora* var. *pentaphylla* (Mayr) A.Henry
	Japanese five-needle pine	*Pinus parviflora* Siebold & Zucc.
	Mugo pine/mountain pine	*Pinus mugo* Turra
	Scotch pine	*Pinus sylvestris* L.
	Sumatran pine/Merkus pine	*Pinus merkusi*i Jungh. & de Vriese
Plumbaginaceae (leadwort/sea lavender)	Indian wood apple	*Limonia acidissima* L.
Poaceae (grasses)	Dwarf bamboo	*Pleioblastus fortunei* (Van Houtte) Nakai (=*Arundinaria pygmae*a)
Podocarpaceae (evergreen/conifer)	Chinese podocarpus/ shrubby yew/ plum pine/ lohan pine	*Podocarpus macrophyllus* (Thunb.) Sweet/*Podocarpus chinensis*
Punicaceae (pomegranate)	common pomegranate	*Punica granatum* L.
Rhamnaceae (buckthorn)	hedge sageretia/Chinese sweet plum	*Sageretia thea* (Osbeck) M.C. Johnst. (=*Sageretia theezans)*
Rosaceae (rose)	firethorn	*Pyracantha coccinea* M.Roem.
	flowering quince	*Chaenomeles speciosa* (Sweet) Nakai (=*Chaenomeles lagenaria*)
	peach	*Prunus persica* (L.) Stokes *(=Persica vulgaris Mill.)*
	hawthorn/thorn apple/ ornamental thorn	*Crataegus sp.*
	various fruit trees	*Prunus sp.*

Table 3 (Continued): Concordance of Bonsai Names and Families

Rubiaceae (quinine/coffee)	snowrose/evergreen, tree of a thousand stars	*Serissa japonica* (Thunb.) Thunb. (=*Serissa foetida* (L.f.) Lam.)
	santan/Chinese ixora	*Ixora chinensis* Lam.
Rutaceae (rue/citrus)	lemonsito/limeberry	*Triphasia trifolia* (Burm.f.) P.Wilson
	orange jasmine	*Murraya paniculata* (L.) Jack
	kamuning binangonan/ kimini/Chinese box tree	*Murraya paniculata* (L.) Jack (=*M. exotica* L.)
Sapindaceae ()	Japanese maple	*Acer palmatum* Thunb.
	Japanese red maple	*Acer palmatum* Thunb. (two types: "Chishio" & "Deshojo")
	trident maple	*Acer buergerianum* Miq. (=*Acer trifidum* Hook. & Arn.)
Taxodiaceae (bald cypress)	swamp/Southern/bald cypress	*Taxodium distichum* (L.) Rich.
Theaceae (tea)	camellia	*Camellia japonica* L.
Ulmaceae (elm)	Chinese elm/lace bark elm	*Ulmus parvifolia* Jacq.
	Chinese hackberry	*Celtis sinensis* Pers. (Ed note: moved to Cannabaceae)
	Japanese elm/Japanese gray bark elm	*Zelkova serrata* Makino (not *Ulmus davidiana*/*U. parvifolia*)
	no common name: *Ulmus lanceifolia*-type elm with exfoliating bark indigenous to northern Vietnam and western China	*Ulmus tonkinensis* Gagnep. (when found in North Vietnam and China) *Ulmus lanceifolia* Roxburgh, ex Wall (elsewhere)
Verbenaceae (verbena/vervain)	common bulang/bulangan/ mulawin aso	*Gmelina elliptica* Sm.
	mulawin daga/molave tree	*Vitex sp.*
Need tree species identification	Thailand stamps: mai hok-hian, mai kam-ma-lo, mai khabuan	

The author is a member of ATA and its Topic (ATA #76) Chapter, and besides bonsais, his topical interests are puffins and Abbott Pentothal "Dear Doctor" postcards. Roger is a life member of APS/ APRL and MEPSI, and longtime member of the Scandinavian Collectors Club, Channel Islands Specialists Society, Lundy Collectors Club UK Chapter, Cinderella Stamp Club (London), Philatelic Writers Unit, AAPE, Rocky Mountain Philatelic Library, and Collectors Club (Denver). His collecting passions include the postal history of Åland, Faroes, Lundy, and Herm Island. Roger presently is serving as acting librarian of the SCC Library in Denver, Topic President, and a regular columnist and article contributor for SCC's quarterly, ***The Posthorn****.*

ISRAEL'S STEINHARDT NATURAL HISTORY MUSEUM ISSUE

By Don Wright BU243

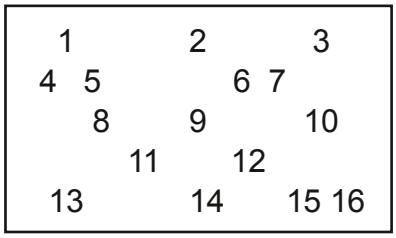
Israel issued a set of three stamps honoring the Steinhardt Museum of Natural History on 2020 December 15. They also issued a s/s of eight copies of the stamp. The upper margin of the s/s shows three museum boxes of insects. The left box shows 16 various insects, the middle box shows 12 butterflies and the right box shows 20 beetles, the top row of five not showing in the internet photos of this s/s. The lower margin shows five each of two beetles. The total number of insects, in whole or in part, amounts to 90, including 55 different species. This is by far the most species of insects to appear on one philatelic item.

Obviously most of the insects shown are very small, from 4-9mm, and not easily identified except that the Israel Post, in their new issue information, supplied a list of names for the left and right boxes. However, the list does not coincide with the arrangement of the insects. Identifications required finding on the internet a picture for each of the insect names given in the Israel Post list and trying to find a tiny insect on the margin that sort of resembled the larger one from the internet. Thus, most of the names are probably correct, but not guaranteed. Any corrections are welcome.

2020, December 15 (Steinhardt Museum of Natural History)

2273	4.10s. *Agapanthia pustulifera* Pic, at UR	CER, Lamiinae	B
	Middle Eastern Jewel Beetle, *Steraspis squamosa* Klug, at M	BUP, Chrysochroinae	B
	Eastern Maybeetle, *Anoxia orientalis* Krynicky, at LL & LR	SCA, Melolonthinae	B
	Margin: *Certallum ebulinum* L.	CER, Cerambycinae	Z
	Copper Beetle, *Protaetia cuprea* Fabr.	SCA, Cetoniinae	Z
	4.10s. As above, in s/s of 8		
	Agapanthia pustulifera Pic, at UR	CER, Lamiinae	B
	Middle Eastern Jewel Beetle, *Steraspis squamosa* Klug, at M	BUP, Chrysochroinae	B
	Eastern Maybeetle, *Anoxia orientalis* Krynicky, at LL & LR	SCA, Melolonthinae	B

The following are in the order shown below:



Left Box, in margin

1: *Xylocopa pubescens* Spinola	API, Xylocopinae	Z
2: European Grasshopper, *Oedipoda miniata* Pallas	ACR, Oedipodinae	Z
3: Desert Mantid, *Eremiaphila sp*.	ERE, Eremiaphilinae	Z
4: Tree Bug, *Graphosoma lineatum* L.	PEN, Podopinae	Z
5: Scarlet Darter, *Crocothemis erythraea* Brulle	LIB, Sympetrinae	Z
6: Clown-faced Bug, *Pyrrhocoris apterus* L.	*PYRH, Pyrrhocorinae	Z
7: Arab Mantid, *Blepharopsis mendica* Fabr.	EMP, Blepharodinae	Z
8: Grasshopper	Acrididae	Z
9: Mediterranean Mantid, *Iris oratoria* L.	*ERE, Iridinae	Z
10: 2-Spotted Cricket, *Gryllus bimaculatus* De Geer	GRY, Gryllinae	Z
11: Spotted Assassin Bug, *Rhynocoris punctiventris* Herrich-Schaeffer	RED, Harpactorinae	Z
12: *Truxalis sp*.	ACR, Acridinae	Z
13: *Cicadetta musiva* Germar	CICA, Cicadettinae	Z
14: *Codophila varia* Fabr.	PEN, Pentatominae	Z
15: Black-Brown Diver, *Dytiscus marginalis* L.	DYT, Dytiscinae	Z
16: *Isophya savigni* Brunner von Wattenwyl	TET, Phaneropterinae	Z

The following are in the usual L to R, top down order:
Middle Box,

1: Lesser Purple Emperor, *Apatura ilia* Denis & Schiffermuller	NYM, Apaturinae	Z
2: Corsican Swallowtail, *Papilio hospiton* Guenee	PAP, Papilioninae	Z
3: Cleopatra, *Gonepteryx cleopatra* L.	PIE, Coliadinae	Z
4: Painted Lady, *Vanessa cardui* L.	NYM, Nymphalinae	Z
5: 2-Tailed Pasha, *Charaxes jasius* L.	NYM, Charaxinae	Z
6: Large White, *Pieris brassicae* L.	PIE, Pierinae	Z
7: Red Admiral, *Vanessa atalanta* L.	NYM, Nymphalinae	Z
8: Old World Swallowtail, *Papilio machaon* L.	PAP, Papilioninae	Z
9: Orange Sulfur, *Colias eurytheme* Boisduval, ♂	PIE, Coliadinae	Z
10: Large Tortoiseshell, *Nymphalis polychloros* L.	NYM, Nymphalinae	Z
11: African Monarch, *Danaus chrysippus* L.	NYM, Danainae	Z
12: Turkish Meadow Brown, *Maniola telmessia* Zeller	NYM, Satyrinae	Z

The following are in the usual L to R, top down order:

Right Box,

1-5: Unknown Beetles. Not visible in photos of this s/t sheet	Coleoptera	Z
6: *Certallium ebulinum* L.	CER, Cerambycinae	Z
7: Red Palm Weevil, *Rhynchophorus ferrugineus* Olivier	DRY, Rhynchophorinae	Z
8: *Agonum impressum* Panzer	CAR, Carabinae	Z
9: *Scarabaeus sp*.	SCA, Scarabaeinae	Z
10: Sycophant, *Calosoma sycophanta* L.	CAR, Carabinae	Z
11: *Mylabris sp*.	MEL, Meloinae	Z
12: *Graphipterus sp*.	CAR, Lebiinae	Z
13: Unknown Beetle	Coleoptera	Z
14: *Julodis sp*.	BUP, Julodinae	Z
15: *Agapanthia sp*.	CER, Lamiinae	Z
16: *Neoplagionotus bobelayei* Brulle	CER, Cerambycinae	Z

BOTANY

Editor

Christopher E. Dahle BU 1269

Family	Scott #	Code	Denom	Common Name	Botanical Name	
ARMENIA				**2020 December 28** Set/2		
1241	230d			Bee orchid, *Ophrys apifera*	Orchidaceae	Fl A
AUSTRALIA				**2020 October 13** (National Botanic Gardens type of 2020 name in green) Set/2		
5213	$1.10			*Grevillea iaspicula*	Proteaceae	Fl A
5214	$1.10			*Banksia marginata*	Proteaceae	Fl A
5214a				Bklt pane of 10, 5 each #5213-14		
				2021 January 25 (Greetings) Set/5, SS/5 Perf 14¾ x 14		
5238	$2.20			White orchid	Orchidaceae	Fl A
5238a				Souvenir sheet of 5		
				Set/5, SS/5 SA die cut 11¼		
5243	$2.20			White orchid	Orchidaceae	Fl A
5243a				Souvenir sheet of 5		
				2021, February 22 (Ramsar Convention Wetlands) Set/4 Perf 14 x 14¾		
2557	20c			Coburg Peninsula Wetland		T B U
5258	$2.70			Moreton Bay Wetland		T B U
5259	$3.40			Blue Lake Wetland		T B U
5260	$3.50			Riverland Wetland		T B U
				Set/3 SA die cut 11¼		
5261	$2.70			Moreton Bay Wetland		T B U
5261a				Booklet pane of 5		
5262	$3.40			Blue Lake Wetland		T B U
5262a				Booklet pane of 5		
5263	$3.50			Riverland Wetland		T B U
5263a				Booklet pane of 5		
BELGIUM				**2021 January 25** (Circular items in Nature) MS/5		
2940				Sheet of 5		
22940d				1 Europe (€1.85) Cross section of tree trunk		T A MS
2940e				Dandelion seedhead, *Taraxacum campylodes*	Asteraceae	Fr A MS
BOSNIA & HERZEGOVINA (Serb Admin.)				**2020 September 11** Horiz. pair		
241				Pair		
241a	90pf			Women picking iva grass, *Teucrium montanum*	Lamiaceae	V B
241b	1.80m			Iva grass, *Teucrium montanum*	Lamiaceae	Fl A

BOSNIA & HERZEGOVINA (Serb Admin.) (continued)

2020 September 15 (Flora) Set/4

242		Vert strip of 4		
242a	90pf	Ilyrian gladiolus, *Gladiolus illyricus*	Iridaceae	Fl A
242b	90pf	Wild tulip, *Tulipa sp.*	Liliaceae	Fl A
242c	1.80m	White asphodel, *Aspholdelus ramosus*	Xanthorrhoeaceae	Fl A
242d	1.80m	Checkered lily, *Fritillaria montana*	Liliaceae	Fl A

CANADA **2021 March 1** (Crabapples) Sheet/2 perf 12¼ x 12½

3281		Sheet/2		
3281a	P (92c)	Maybride crabapple, *Malus* 'Maybride'	Rosaceae	Fl A
3281b	P (92c)	Rosseau crabapple, *Malus* 'Rosseau'	Rosaceae	Fl A
		SA coil die cut vert 8¼		
3282	P (92c)	Maybride crabapple, *Malus* 'Maybride'	Rosaceae	Fl A
3283	P (92c)	Rosseau crabapple, *Malus* 'Rosseau'	Rosaceae	Fl A
3283a		Pair #3282-83		
		Bklt die cut 13½		
3284	P (92c)	Maybride crabapple, *Malus* 'Maybride'	Rosaceae	Fl A
3285	P (92c)	Rosseau crabapple, *Malus* 'Rosseau'	Rosaceae	Fl A
3285a		Bklt pane of 10, 5 each #3284-85		

CHINA (TAIWAN) **2021 January 20** (South Penghu National Park) Set/4

4578	$15	Inscibed: Terraced field and *Glossogyne tenuifolia*. *Glossocardia bidens*	Asteraceae	Fl B

2021 April 21 (Paintings) Set/4

4590	$12	"Early Summer in South Taiwan" by Huang Shui-wen, *Cocos nucifera*	Arecaceae	T A

COLOMBIA **2020 October 26** (Diplomatic relations with Austria, 100y) Set/2

1551		Horiz pair		
1551a	5000p	Nikolaus Joseph von Jacquin, botanist, *Cordia sebestena*	Boraginaceae	Fl B
1551b	5000p	José Celestio Mutis, priest & botanist, *Bomarea multiflora*	Alstroemeriaceae	Fl B

2020 October 29 (Department type of 2003) MS/1

1552l	1000p	Guillermo Piñeres Botanical Garden, Turbaco		V B U

HUNGARY **2021 May 5** (Insects pollinating flowers) SS/1

4595	1000fo	Viper's bugloss, *Echium vulgare*	Boraginaceae	Fl B SS Z
		Thistle, *Cynara cardunculus*	Asteraceae	Fl B SS Z
		Cornflower, *Centaurea sp.*	Asteraceae	Fl B SS Z
		Smooth hawksbeard, *Crepis cappilaris*	Asteraceae	Fl B SS Z
		Apple blossoms, *Malus sp.*	Rosaceae	Fl B SS Z

JAPAN **2021 January 21** Set/20

4467		Sheet of 10		
4467c	¥63	Cherry blossoms, Maniwa, *Prunus serotina*	Rosaceae	Fl A
4467d	¥63	Cherry blossoms on water, *Prunus serotina*	Rosaceae	Fl A
4468		Sheet of 10		
4468c	¥84	Cherry blossoms on Mt. Yoshino, *Prunus serotina*	Rosaceae	Fl A
4468d	¥84	Tree and Nemophila flowers, Hitachi Seaside Park, *Nemophila sp.*	Boraginaceae	Fl B
4468e	¥84	Frost-covered trees on Mt. Zao		T A U
4468h	¥84	Snow on trees, Okutama		T A U

JAPAN (continued)

2021, January 22 (Record of Nature - Series 1) Set/10

4472		Sheet of 10		
4472a	¥84	Noble orchids, *Cymbidium goeringii*	Orchidaceae	Fl A
4472b	¥84	Star magnolias, *Magnolia stellata*	Magnoliaceae	Fl A
4472c	¥84	Violets, *Viola sp.*	Violaceae	Fl A
4472d	¥84	Winter chrysanthemums, *Chrysanthemum morifolium*	Asteraceae	Fl A
4472e	¥84	Narcissus, *Narcissus tazetta*	Amaryllidaceae	Fl A
4472f	¥84	Hydrangea, *Hydrangea macrophylla*	Hydrangeaceae	Fl A
4472g	¥84	Roses, *Rosa x hybrida*	Rosaceae	Fl A
4472h	¥84	Fringed iris, *Iris japonica*	Iridaceae	Fl A
4472i	¥84	Reeve's spiraea, bridal-wreath, *Spiraea cantoniensis*	Rosaceae	Fl A
.4472j	¥84	Yoraku azalea, *Rhododendron sp.*	Ericaceae	Fl A

2021, February 19 (Greetings - Spring) Set/10

4475		Sheet of 10		
4475a	¥63	Fiddlehead ferns		V A U
4475b	¥63	Poppies, *Papaver orientalis*	Papaveraceae	Fl A
4475c	¥63	Bee and rape blossoms, *Brassica napus*	Brassicaceae	Fl B
4475d	¥63	Strawberries, *Fragaria ananassa*	Rosaceae	Fr A
4476		Sheet of 10		
4476a	¥84	Tulips, *Tulipa x hybrida*	Liliaceae	Fl A
4476b	¥84	Dandelions, *Taraxacum campylodes*	Asteraceae	Fl A
4476c	¥84	Wistaria, *Wisteria floribunda*	Fabaceae	Fl A
4476d	¥84	Pansies, *Viola x wittrockiana*	Violaceae	Fl A
4476e	¥84	Camellias and birds, *Camellia japonica*	Theaceae	Fl A
4476f	¥84	Dog and cherry blossoms, *Prunus serotina*	Rosaceae	Fl B

2021, March 9 (My Journey Stamp Series No.6) Set/10

4477		Sheet of 10		
4477f	¥63	Cherries, *Prunus serotina*	Rosaceae	Fr A
4477j	¥63	Weeping cherry tree, *Prunus serulata*	Rosaceae	Fl A
4478		Sheet of 10		
4478j	¥84	Forest in Shirakami Mountain Range		T A U

LAOS **2016 December 26** (Flags & National Flowers of ASEAN Nations) Set/10, SS/10

1928	1000k	Rumdul, *Sphaerocoryne affinis*	Annonaceae	Fl A
1929	1000k	Simpoh ayer, *Dillenia suffruticosa*	Dilleniaceae	Fl A
1930	1000k	Jasmine, *Jasminum sambac*	Oleaceae	Fl A
1931	1000k	Miss Joaquim orchid, *Vanda* 'Miss Joaquim'	Orchidaceae	Fl A
1932	1000k	Moth orchid, *Phalaenopsis amabilis*	Orchidaceae	Fl A
1933	1000k	Frangipani, *Plumeria sp.*	Apocynaceae	Fl A
1934	1000k	Burma paduk, *Pterocarpus macrocarpus*	Fabaceae	Fl A
1935	1000k	Hibiscus, *Hibiscus rosa-sinensis*	Malvaceae	Fl A
1936	1000k	Golden Shower, *Cassia fistula*	Fabaceae	Fl A
1937	1000k	Lotus, *Nelumbo nucifera*	Nelumbonaceae	Fl A
1937a		Souvenir sheet of 10		

MOLDOVA **2020 August 25** (Intl Year Plant Heath) Single

1064	15.50l	Bee on apple blossom, *Malus sp*.	Rosaceae	Fl B

NETHERLANDS **2020 February 24** (Dutch Foods) Set/5

1603	1 (91c)	Carrots, *Daucus carota*	Apiaceae	V A

NEW ZEALAND **2021 April 7** (Queen Elizabeth II, 95y) Set/4, SS/4

2958	$1.40	Manuka flower and photographs, *Leptospermum scoparium*	Myrtaceae	Fl B
2959	$2.70	Same species	Myrtaceae	Fl B
2960	$3.50	Same species	Myrtaceae	Fl B
2961	$4	Same species	Myrtaceae	Fl B
2961a		Souvenir sheet of 4		

PERU **2020 January 13** Set/4

1991	3.60s	*Cantua buxifolia*	Polemoniaceae	Fl A
1992	4s	*Phragmipedium kovachi*	Orchidaceae	Fl A

RUSSIA **2021, March 16** (Red Book Irises) Block/4

8241		Block of 4		
8241a	56r	*Iris scariosa*	Iridaceae	Fl A
8241b	56r	*Iris vorobievii*	Iridaceae	Fl A
8241c	56r	*Iris acutiloba*	Iridaceae	Fl A
8241d	56r	*Iris tigridia*	Iridaceae	Fl A

2021, April 15 (Berries) Block/4

8252		Block of 4		
8252a	50r	Sea buckthorn, *Hippophae rhamnoides*	Elaeagnaceae	Fr A
8252b	50r	Blueberry, *Vaccinium myrtillus*	Ericaceae	Fr A
8252c	50r	Raspberry, *Rubus vestitus*	Rosaceae	Fr A
8252d	50r	Gooseberry, *Ribes uva-crispa*	Grossulariaceae	Fr A

ST. MARTIN **2020 July 1** (Orchids) Set/6

191		Block or vert. strip of 6		
191a	100c	Cattleya, *Cattleya sp*.	Orchidaceae	Fl A
191b	100c	Lady's slipper, *Cypripedium calceolus*	Orchidaceae	Fl A
191c	100c	Hyacinth orchid, *Bletilla striata*	Orchidaceae	Fl A
191d	100c	*Eulophia guineensis* (=*quartiniana*)	Orchidaceae	Fl A
191e	100c	*Pleione bulbocodioide*s	Orchidaceae	Fl A
191f	100c	Showy lady's slipper, *Cypripedium reginae*	Orchidaceae	Fl A

ST. VINCENT **2020 March 5** (Bromeliads) Set/4, SS/2

4182		Sheet of 4		
4182a	$4	Pineapple, *Ananas comosus*	Bromeliaceae	Fl A MS
4182b	$5	*Nidularium innocentii*	Bromeliaceae	Fl A MS
4182c	$6	*Aechmea fasciata* 'Primera'	Bromeliaceae	Fl A MS
4182d	$7	*Guzmania angustifolia*	Bromeliaceae	V A MS
4283		Souvenir sheet of 2		
4183a		*Bilbergia pyramidalis*	Bromeliaceae	Fl A SS
4183b		Same species		Fl A SS

SALVADOR **2019 December 17** (Route of the Flowers) Set/5

1818		Horiz strip of 5	Unidentified flowers	F U

SAUDI ARABIA **2020 September 1** (Flowers) Set/15

1478		Sheet of 15		
1478a	3r	Gerbera daisy, al-jarbiira, *Gerbera x hybrida*	Asteraceae	Fl A
1478b	3r	Zinnia, *Zinnia elegans*	Asteraceae	Fl A
1478c	3r	Geranium, jiiraaniiuum, *Pelargonium sp*.	Geraniaceae	Fl A
1478d	3r	Gardenia, al-ful, *Gardenia sp*.	Rubiaceae	Fl A
1478e	3r	Pink Daisy (Labeled alkariiz in Arabic meaning cherry), *Chrysanthemum sp*.	Asteraceae	Fl A
1478f	3r	Carnations, al-qurunful, *Dianthus caryophyllus*	Caryophyllaceae	Fl A
1478g	3r	Yellow Daisy (Labeled alkariiz in Arabic meaning cherry), *Chrysanthemum s*p.	Asteraceae	Fl A
1478h	3r	Salvia, *Salvia coccinea*	Lamiaceae	Fl A
1478i	3r	'Jouri' rose, *Rosa* 'Jouri'	Rosaceae	Fl A
1478j	3r	Carnations, al-qurunful, *Dianthus caryophyllu*s	Caryophyllaceae	Fl A
1478k	3r	Stocks, almanthuur, *Matthiola incana*	Brassicaceae	Fl A
1478l	3r	Lavender, alkhuzaamy, *Lavandula angustifolia*	Lamiaceae	Fl A
1478m	3r	Red Daisy (Labeled alkariiz in Arabic meaning cherry), *Chrysanthemum sp*.	Asteraceae	Fl A
1478n	3r	Lily, liiliiuum, *Lilium sp*.	Liliaceae	Fl A
1478o	3r	Alyssum, al-'aliisum, *Lobularia marítima*	Brassicaceae	Fl A

SERBIA **2020 December 3** (Fruit) Set/2

936	10d	Grapes, *Vitis vinifera*	Vitaceae	Fr A
937	50d	Pears, *Pyrus communis*	Rosaceae	Fr A

SIERRA LEONE **2018 August 30** (Paintings by van Gogh) Set/4, SS/1

4916c	9800le	"Still Life: Vase with Twelve Sunflowers" *Helianthus annuus*	Asteraceae	Fl A

2018 October 30 (Paintings) Set/4, SS/1

4998d	9800le	"Terassse de Meudon" by Signac	Unidentified plants	V B U

2018 October 30 (William John Burchell, naturalist, 150y) Set/4, SS/1

5016	40,000le	*Burchellia bubalina*	Rubiaceae	Fl A SS

2018 November 30 (Hummingbirds & Flowers) Set/4, SS/1

5049a	9800le	Bleeding heart, *Lamprocapnos spectabilis*	Papaveraceae	Fl A MS
5049b	9800le	Plumeria, *Plumeria rubra*	Apocynaceae	Fl A MS
5049c	9800le	Columbine, *Aquilegia vulgaris*	Ranunculaceae	Fl A MS
5049d	9800le	Madonna lily, *Lilium candidum*	Liliaceae	Fl A MS

2018 December 28 (Orchids) Set/4, SS/1

5102a	9800le	*Trichopilia fragrans*	Orchidaceae	Fl A MS
5102b	9800le	*Miltonia spectabilis*	Orchidaceae	Fl A MS
5102c	9800le	Sulawesi moth orchid, *Phalaenopsis amboinensis*	Orchidaceae	Fl A MS
5102d	9800le	Fly orchid, *Ophrys insectifera*	Orchidaceae	Fl A MS
5120	40,000le	Fairy slipper, *Calypso bulbosa*	Orchidaceae	Fl A SS

SLOVENIA **2021 March 12** (Viburnums) Set/3, SS/1

1433	€1.22	Wayfaring tree, *Viburnum lantana*	Caprifoliaceae	Fl A
1434	€1.37	Laurustine, *Viburnum tinus*	Caprifoliaceae	Fl A
1435	€1.62	Roseum guilder rose, *Viburnum opulus* 'Roseum'	Caprifoliaceae	Fl A
1436	€1.85	Guelder rose, *Viburnum opulus*	Caprifoliaceae	Fl A SS

SPAIN **2020 September 17** (Wood veneer with laser cut in shape of tree) Single

4665	€3.80	Elm tree, *Ulmus laevis*	Ulmaceae	T A

2021 March 22 (Gastronomy of the Balearic Islands) SS/2

4497		Sheet of 2		
4497a	€3	Olives, *Olea europaea*	Oleaceae	Fr A

SRI LANKA **2020 February 3** (World Wetlands Day) Set/10, SS/4, SS/2, SS/4

2214	15r	Upriver orange mangrove, *Bruguiera sexangula*	Rhizophoraceae	Fl A
2215	15r	*Bruguiera cylindrica*	Rhizophoraceae	Fl A
2216	15r	*Bruguiera gymnorhiza*	Rhizophoraceae	Fl A
2217	15r	*Nypa fruticans*	Arecaceae	Fr T A
2217a		Souvenir sheet of 4 #2214-17 perf 13½ x 14		
2218	15r	*Stemonoporus moonii*	Dipterocarpaceae	Fl A
2219	15r	Suwanda, *Mesua stylosa*	Calophyllaceae	T A
2219a		Souvenir sheet of 2 #2218-19 perf 13½ x 14		
2220	15r	Cannonball mangrove, *Xylocarpus granatum*	Meliaceae	Fl Fr A
2221	15r	Chengam, sebasah, *Scyphiphora hydrophylacea*	Rubiaceae	Fl A
2222	15r	Sweet-scented apple mangrove, *Sonneratia alba*	Lythraceae	Fl A
2223	15r	Black mangrove, *Aegiceras corniculatum*	Primulaceae	Fl A
2223a		Souvenir sheet of 4 #2220-23 perf 13½ x 14		
2223b		Sheet of 10 + 2 labels		

SUDAN **2020 November 19** (#552 & 544 surcharged, see ***Plants on Stamp***s Vol. V p196)

706	£20 on 150d	*Hyphaene coriacea*	Arecaceae	T A
707	£25 on 50d	Mango, *Mangifera indica*	Anacardiaceae	Fr A

SURINAM **2021, January 6** (Flowers) Set/12

1622		Block of 12		
1622a	$9	White shooting star, *Dodecatheon dentatum*	Primulaceae	Fl A
1622b	$11	Darkthroat shooting star, *Dodecatheon pulchellum*	Primulaceae	Fl A
1622c	$12	Flowering spurge, *Euphorbia corollata*	Euphorbiaceae	Fl A
1622d	$13	Green spurge, *Euphorbia esula*	Euphorbiaceae	Fl A
1622e	$14	Featherfoil, *Hottonia inflata*	Primulaceae	Fl A
1622f	$15	Swamp candle, *Lysimachia terrestris*	Primulaceae	Fl A
1622g	$16	Tufted loosestrife, *Lysimachia thyrsiflora*	Primulaceae	Fl A
1622h	$17	Parry's primrose, *Primula parryi*	Primulaceae	Fl A
1622i	$18	Sierra primrose, *Primula suffrutescens*	Primulaceae	Fl A
1622j	$19	Broad-leaved starflower, *Trientalis latifolia*	Primulaceae	Fl A
1622k	$20	Honeycup, *Zenobia pulverulenta*	Ericaceae	Fl A
1622l	B ($51)	Finger rot, *Cnidoscolus urens* var. *stimulosus* (=C. *stimulosus*)	Euphorbiaceae	Fl A

2021 March 3 SS/1

1625	$40	Faja lobi, *Ixora chinensis*	Rubiaceae	Fl A SS Z

SWEDEN **2021 January 14** (Precious Nature) Vert strip/5

2868		Strip of 5		
2868a	(12k)	Pasque flower, *Pulsatilla vulgaris*	Ranunculaceae	Fl A
2868c	(12k)	Pink oxalis, *Oxalis articulata*	Oxalidaceae	Fl B

SWEDEN (continued)

2868d	(12k)	Multiple flowers		Fl B U
2868e	(12k)	Primula, *Primula vulgaris*	Primulaceae	Fl A
2868f		Bklt pane of 10, 2 each #2868a-e		

SWITZERLAND **2021 May 6** (Summer Coolers) Set/4

1809	85c	Fruit drink in shape of pineapple, *Ananas commosus*	Bromeliaceae	Fr A S
		Lime slice, *Citrus aurantifolia*	Rutaceae	Fr B S
1811	100c	Watermelon slice, *Citrullus lanatus*	Cucurbitaceae	Fr A
1812a		Block of 4 #1809—12		

TURKEY **2020 July 24** (Cactus) Single, MS/5

3717	3l	Prickly pear, *Opuntia sp*.	Cactaceae	V A
3718		Sheet of 5		
3718a	1.40l	*Echinopsis* 'Peach Monarch'	Cactaceae	V A MS
3718b	3l	*Echinopsis sp*.	Cactaceae	V A MS
3718c	3l	Spiny pincushion cactus, *Mammillaria spinosissima*	Cactaceae	V A MS
3718d	5.50l	*Matucana haynei*	Cactaceae	V A MS
3718e	5.50l	Bishop's cap cactus, *Astrophytum myriostigma*	Cactaceae	V A MS

2020 November 24 (Istanbul Tourism) Set/2

3734	50k	Tulips, *Tulipa x hybrida*	Liliaceae	Fl B
		Poppies, *Papaver rhoeas*	Papaveraceae	Fl B

2019, December 16 (Floral fabric designs) Set/6

O398-403		Unidentified designs		Fl A U S

2020 September 24 (Intl Year of Plant Health) Single

3726	3l	Unidentified plants and fruit		Fr V U

UKRAINE **2020 July 15** (Scented stamps) Set/2

1253	13.50h	Mock orange, *Philadelphus coronarius*	Hydrangeaceae	F l A
1253a		Booklet pane of 6		
1254	13.50h	Lavender, *Lavandula angustifolia*	Lamiaceae	Fl A
1254a		Booklet pane of 6		

UNITED ARAB EMIRATES **2020 August 20** (Intl Year of Plant Health) Single

1208	3d	Stylized leaves		V S U

UNITED NATIONS

New York **2021 April 7** (Endangered Species) Set/4

1267	$1.20	Venus flytrap, *Dionaea muscipula*	Droseraceae	V A

Geneva **2021 April 7** (Endangered Species) Set/4

697	1.50fr	*Caladenia huegelii*	Orchidaceae	Fl A

Vienna **2021 April** 7 (Endangered Species) Set/4

673	90c	*Lepanthes telipogoniflora*	Orchidaceae	Fl A

URUGUAY **2020 December 8** (Flowers and Pollinators) Set/2

2730		Pair		
2730a	27p	Squash, *Cucurbita maxima*	Cucurbitaceae	Fl B
2730b	27p	Red sesbania, *Sesbania punicea*	Fabaceae	Fl B

UZBEKISTAN **2020 July 17** (Poppies) Single

916	5300s	Poppies, *Papaver rhoeas*	Papaveraceae	Fl A

VIETNAM **2020 February 14** (Love, rose scented) Single

3660	4000d	Rose petals, *Rosa floribunda*	Rosaceae	F l A

WALLIS & FUTUNA **2020 December 18** (UN 75y) Single

828	800fr	Coconut seedling, *Cocos nucifera*	Arecaceae	V B

Native Australian Bonsai 27 July 2021

Featured in this stamp issue are three examples of Australian native plants as bonsai. The trees featured in this issue are, or have been, housed at the National Bonsai and Penjing Collection of Australia (NBPCA), which is part of the National Arboretum, Canberra. Learn more in our Explore the world of Australian bonsai blog article.

$1.10 *Callistemon viminalis*

This stamp design features a bottlebrush as bonsai, in an informal upright style (some bend or lean in the trunk). The bottlebrush is the cultivar 'Captain Cook', a dwarf form of *Callistemon viminalis*, which has a weeping appearance. The bonsai artists are Derek and Sue Oakley. The stamp photograph is by Leigh Taafe.

$1.10 *Ficus rubiginosa*

This stamp design presents a fig as bonsai, in a formal upright style (no bend or lean in the trunk, and the trunk does not go all the way to the top of the tree). The fig is a Port Jackson Fig (*Ficus ribiginosa*), known for its thick trunk and long, twisted roots that tend to grow along the trunk's surface. The bonsai artist was Max Candy. The stamp photograph is by Ben Kopilow, Fusion Photography.

$2.70 *Melaleuca linariifolia*

This stamp design showcases a paperbark (or honey myrtle) as bonsai, in a slanting style (where the apex of the trunk falls between 10 and 45 degrees to the left or right). The tree is a dwarf form of *Melaleuca linariifolia*, known as 'Claret Tops' – a cultivar named for the reddish new growth that appears on the leaf tips. The bonsai artist is David Willoughby. The stamp photograph is by Ben Kopilow, Fusion Photography.

New Plants in the Philatelic Herbarium

By Christopher E. Dahle, BU 1269

Glossocardia bidens. ASTERACEAE

Common names: Hsiang-ju, Feng-ju or Cobbler's tack
Synonyms: 20, including *Glossogyne tenuifolia* as inscribed on the stamp
Perennial herb, 20-30 cm, woody base. Leaves persistent 4.5-9 cm, glabrous, usualy pinnate. Solitary capitula 7 mm diameter, ray florets yellow with purple veins. Spring to autumn. Grows in a range of habitats from Asia to Australia.

China (Taiwan) Scott #4578. Issued on 20 January 2021 in a set of 4 for South Penghu National Park. Designed by Jheng Yi-lang. Printed on phosphorescent stamp paper in panes of 20 in a quantitiy of 604,000 by offset by Cartor Security Printing in France.

Guzmania angustifolia. BROMELIACEAE

Synonyms: *Caraguata angustifolia, Guzmania angustifolia* var. *angustifolia, G. bulliana, G. caulescens*
Epiphytic herbaceous perennial. Leaves 8-30 cm, green above, purplish below, sheaths brown. Floral bracts dark red, petals yellow 7 cm long tubular. Native to Costa Rica, Panama, Colombia and Ecuador.

St. Vincent Scott #4182d. Issued on 5 March 2020 is a minisheet of 4 and a souvenir sheet of 2 featuring cultivated bromeliads. Image on stamp is of new foliage using a stock photo from Getty images.

Bruguiera sexangula. RHIZOPHORACEAE

Common name: Upriver orange mangrove
Synonyms: *B. australis, B. eriopetala, B. oxyphylla, B. parietosa, B. sexangula* var. *sexangula, Rhizophora sexangula*
Multi-stemmed shrub or tree to 15 m. Leathery leaves ovate-oblong 8-20 cm by 3-7 cm, opposite. Shiny green above yellowish below. Flowers single on short stallks in clusters, petals 10-15 mm creamy orange. Reddish orange to pale green calyx. Grows in tidal waterways, coastal fish ponds and mangrove forests from India and Sri Lanka through southeast Asia and Indonesia to northern Australia and New Caledonia.

Sri Lanka Scott #2214. Issued 3 Feb. 2020 in a series with 10 designs for World Wetlands Day in minisheet of 10 with 2 labels (50,000 printed), and a souvenir sheet of 4 (30,000 printed). Printed in 4 colors with twenty stamps per sheet with a total of 300,000 stamps.

Bruguiera cylindrica. RHIZOPHORACEAE

Common name: Black mangrove, Reflexed orange mangrove
Synonyms: *Bruguiera caryophyllaeoides, B. caryophylloides, B. malabarica, Rhizophora caryophylloides, R. cylindrica*
Tree to 20 m, with butresses and roots rising above the surface. Leaves opposite, flesshy, oval 6-17 cm by 2-8 cm. Smooth margins. Pendulous flowers in clusters of 3 in autumn. Calyx light green 4-6 by 2 mm, petals white 3-4 mm. Fruit develops while attached and becomes a propagule. Grows in firm clay or mud in mangrove forests from India and Sri Lanka through southeast Asia to Philippines, Indonesia and Solomon Islands and Northern Australia.

Sri Lanka Scott #2215 issued 3 February 2020 for World Wetlands Day in minisheets of 10 (50,000), sheets of 20 (i300,000) and a souvenir sheet of 4 (30,000).

Stemonoporus moonii. DIPTEROCARPACEAE

Common name; Horawel

Synonyms: *Vateria moonii, Vatica moonii*i

Tree 4-5 m. Leaves 8 x 45 cm in clusters at apex of stems. Flowers, white. Fruit globular, 3 cm diameter. Thought extinct. Rediscovered in Sri Lanka, only found in the understory of Walauwatta-Waturana swamp forest.

Sri Lanka Scott #2218. Issued 3 February 2020 for World Wetlands Day. Printed in sheets of 20 (300,000), minisheets of 10 (50,000) and souvenir sheet of 2 (30,000). The genus inscribed on the stamp and used in the information from Sri Lanka Post is "STEMANOPORUS" and is a labeling error.

Mesua stylosa. CALOPHYLLACEAE

Common name: Suwanda

Synonyms: *Kayea cuspidata, K. stylosa*

Tree 10-15 m. Leaves coriaceous, ovate to oblong, 2.5-3 cm by 6-9 cm. Flowers white, stalked, erect in 2-4 flowered racemes. Endemic to Sri Lanka and found only in Walawwawatta-Waturana swamp.

Sri Lanka Scott #2219. Issued on 3 February 2020 for World Wetlands Day . Printed in sheets of 20 (300,000) minisheets of 10 (50,000) and souvenir sheets of 2 (30,000). All 10 designs in this issue were designed by P. Isuru Chathuranga.

Xylocarpus granatum. MELIACEAE

Common name: Cannonball mangrove, cedar mangrove, puzzlenut tree

Synonyms: *Amoora salmoniensis, Carapa granatum, C. obovata, Granatum obovatum, Xylocarpus obovatus*

Tree 5-15 m, evergreen. Leaves pinnate, 15 cm with 2-4 pairs of leaflets, elliptic, 2.5-5 cm by 4-9 cm. Flowers white, 8 mm, in cymes having 1-3 blossoms April to November. Fruit is large spherical woody capsule 9-12 cm. Grows in tidal mud of mangrove swamps in higher intertidal zone. Eastern tropical Africa, through southeast Asia to Australia and Pacific Islands.

Sri Lanka Scott # 2220. Issued 3 February 2020 for World Wetlands Day. Printed in sheets of 20 (300,000) minisheets of 10 (50,000) and souvenir sheets of 4 (30,000).

Scyphiphora hydrophylacea. PRIMULACEAE

Common names: Chengam, Sebasah

Synonyms: *Epithinia malayana, Ixora manila, Scyphiphora malayana*

Shrub 3m. Leaves opposite, light green, drop-shaped with rounded apex, 4-6 cm by 10 cm. Flowers white, July-November. Rocky sandstone shores Philippines, Thailand, Vietnam, southeast Asia to Pacific Islands, Australia anad Madagascar.

Sri Lanka Scott # 2221. Issued 3 February 2020 for World Wetlands Day. Printed in sheets of 20 (300,000), minisheets of 10 (50,000) and souvenir sheets of 4 (30,000).

Aegiceras corniculatum. PRIMULACEAE

Common name: Black mangrove

Synonyms: *Aegiceras fragrans, A. majus, A. malaspinaea, A. minus, A. obcordatum, A. obovatum, Rhizophora corniculata, Umbraculum corniculatum*

Shrub or tree to 5m. Leaves oval, 4-8 cm, with glands to secrete salt. Flowers in dense clustser, white, 1-2 cm, fragrant. Found on seaward fringe of mangrove forests and usually is solitary. India to New Guinea, through south China and northeastern Australia.

Sri Lanka Scott #2223. Issued 3 February 2020 for World Wetlands Day. Printed in sheets of 20 (300,000), minisheets of 10 (50,000) amd souvenir sheeets of 4 (30,000).

Teucrium montanum. LAMIACEAE

Common name: Iva grass, mountain germander

Synonyms: 23 synonyms

Evergreen perennial 10-25 cm, woody at base. Leaves narrow, lanceolate 0.5 - 2 cm, rolled edge, tomentose underneath. Flowers yellowish-white appear in summer. Warm dry rocky slopes, mostly limestone, in subalpine areas to 2400 m. Southern Europe from Spain to Turkey.

Bosnia & Herzegovina (Serb Administration) Scott #241b. Issued on 11 September 2020 in a horizontal pair to promote the UNESCO Cultural Heritage. Designed by Božidar Došenović. Printed in sheets of 8 with 2 labels by multicolor offset by Blicdruk, Sarajevo on 100 gram paper

Cymbidium goeringii. ORCHIDACEAE

Synonyms: 15 synonyms

Evergreen herbaceous terrestrial with below ground pseudobulbs. Leaves, 5-40 cm long, 1 cm wide. Flowers single on stalk 12-25 cm, green and white, 4-5 cm across. Grow on rocky slopes and forest margins 300-2200 m in Kyushu and Hokkaido in Japan, also China, Korea, India and Bhutan.

Japan Scott #4472a. Issued in a miniature sheet of 10 on 22 January 2021 in the Record of Nature (Series 1): Flower Illustrations from Makoto Hanaki by Konoe Iehiro.

Iris scariosa. IRIDACEAE

Synonyms: *Iris astrachanica*, *I. biflora*, *I. elongata*, *I. eulefeldii*, *I. pumila* var. *scariosa*, *I. scariosa* var. *eulefeldii*

Perennial rhizomatous herb 10-20 cm. Leaves grayish 10-18 cm by 1-1.8 cm. Flowers reddish violet, light to dark violet or blue with white or yellow beards in April-May. Grow on sunny stony hillsides in Xinjiang (China), Kazakhstan and Russia.

Russia Scott # 8241a. Issued 16 March 2021 in a block of 4 of Red Book Irises. Designer: Savina O. Printed in sheets of 8 by multicolor offset lithography in a press run of 35,000.

Iris vorobievii. IRIDACEAE

Rhizomatous perennial. Leaves 20-25 cm by 1.8-2 cm. Flowers, 2-3 on stem, pale yellow, beard yellow, 6-7 cm diameter, in May. Found on grassy slopes in oak forests or river terraces. Native to central Asia in Russia.

Russia Scott #8241b. Issued 16 March 2021 in block of 4 as Red Book Irises.

Iris tigridia. IRIDACEAE

Synonyms: *Iris pandurata*, *I. tgridia* var. *tigridia*
Perennial rhizomatous herb. Leaves deep or grayish green, narrowly linear 5-30 cm by 1.5-6 mm. Flowers dark blue, violet, or light purple, beard yellow, usually single, June to August. Grows on rocky hillsides, sandy dunes, on steppes and forest margins in central Asia.

Russia Scott#8241d. Issued 16 March 2021 in block of 4 as Red Book Irises.

Dodecatheon dentatum. PRIMULACEAE
Common name: White shooting star, toothed American cowslip
Synonyms: *D. dentatum* var. *dentatum*, *D. frigidum* var.*dentatum*, *D. latilobum*, *D. meadia* var. *latilobum*, *Meadia dentata*, *Primula latiloba*
Herbaceous perennial, 40-50 cm. Leaves dentate, pointed ovate to 10 cm by 6 cm, on winged petiole. Inflorescence has 1-6 white flowers. Petals, 1-2 cm, reflexed. Bloom May to July. Wet cliffs, shady spots and wet meadows. Western North America.

Surinam Scott#1622a. Issued 6 January 2021 in a sheet of 12. Designed by Studio Labranda. Printed in 4 color offset on stamp paper with synthetic gum by Oostenrijkse Otatsdrukkerj in sheets of 24, with two sets of 12 values.

Dodecatheon pulchellum. PRIMULACEAE
Common names: Darkthroat shooting star, eastern shsooting star
Synonyms: 45 synonyms
Herbaceous perennial 10-45 cm. Leaves 4-25 cm by 0.3-6 cm, spatulate to ovate. Inflorescence with 1-25 flowers, purple, reflexed petals. Found in desert habitats in Western United States.

Surinam Scott #1622b. Issued 6 January 2021 in sheets of 12.

Euphorbia corollata. EUPHORBIACEAE

Common name: Flowering spurge
Synonyms: 23 synonyms
Herbaceous perennial 0.30-1 m. Leaves to 8 cm by 1.5 cm, alternate, elliptical, blue-green. Flowers white in clusters, 11-2 cm diameter, June to September. Dry prairies and open woods and roadsides. Eastern United States to southern Minnesota and South Dakota, south to Texas and Florida.

Surinam Scott #1622c. Issued 6 January 2021 in sheets of 12.

Euphorbia esula. EUPHORBIACEAE

Common name: Green spurge, leafy spurge
Synonyms: 117 synonyms
Erect perennial forb, 30-60 cm, branched basally. Leaves alternate, 2-7 cm by 0.4 -0.7 cm. Toxic milky sap. Inflorescence an umbel bearing yellow flowers in June. Grows in grasslands, shrublands and savannas in dry meadows. Native to central and northern Europe through Asia to eastern Siberia. Invasive in USA.

Surinam Scott #1622d, Issued 6 January 2021 in sheets of 12.

Lysimachia terrestris. PRIMULACEAE

Common name: Swamp candles, Earth loosestrife
Synonyms: *Lysimachia strica*, *L. terrestris f. terrestris*, *L. terrestris* var. *terrestris*, *Viscum terrestre*
Perennial herb, 30-90 cm. Leaves opposite, lanceolate 4-10 cm. Flowers, on racemes10-30 cm tall, are star-shaped, yellow with two red dots at base of petals, June-August. Swamps and bogs from Georgia north to Maine and Canada, west to Iowa and Manitoba.

Surinam Scott#1622f. Issued 6 January 2021 in sheets of 12.

Lysimachia thyrsiflora. PRIMULACEAE

Common name: Tufted loosesstrife
Synonyms: *Lysimachusa thyrsiflora, Namburgia guttata, N. thyrsiflora, Nummularia thyrsiflora*
Perennial herb, erect stem 30-80 cm. Leaves opposite, sessile, lanceolate 5-15 cm by 0.6-2 cm. Flowers dense on short racemes, 2-4 cm, yellow, 8 mm, spring to mid-summer. Grow in sunny location in wet to consistently moist conditions. Circumboreal range.

Surinam Scott#1622g. Issued 6 January 2021 in sheets of 12.

Primula parryi. PRIMULACEAE

Common name: Parry's primrose
Synonyms: *P. mucronata*, *P. mucronata* var. arizonica, *P. parryi f. mucronata*, *P. parryi* var. *brachyantha*
Herbaceous perennial 15-50 cm. Leaves aromatic, 1-33 cm by 1.5-7 cm, form a basal rosette. Inflorescences bear 5-25 flowers, magenta with yellow eyes, bloom late spring. Native to wet areas of Rocky Mountains in subalpine and alpine tundra.

Surinam Scott#1622h. Issued 6 January 2021 in sheets of 12.

Primula suffrutescens. PRIMULACEAE

Common name: Sierra primrose
Evergreen plant 5-15 cm with stems forming a woody mat. Leaves succulent, 4 cm by 0.5-1 cm, dentate. Inflorescences have 2-9 rose-pink flowers July-August. Grows on exposed, rocky mountain slopes of Sierra Nevada and Klamath ranges. Endemic to California.

Surinam Scott#1622i. Issued 6 January 2021 in sheets of 12.

Trientalis latifolia. PRIMULACEAE

Common name: Starflower, western starflower, chickweed wintergreen

Low-growing perennial, 10-20 cm. Leaves, elliptic to suborbiculate, 4-11 cm by 1.5-5.5 cm, form terminal whorl. Flowers, pink, rose or pinkish lavender, appear singly on thin stem in April and May. Grow in soil rich in organic matter in shaded areas of high winter precipitation from southeast Alaska, through British Columbia and western slopes of Cascades to California.

Surinam Scott#1622j. Issued 6 January 2021 in sheets of 12.

Zenobia pulverulenta. ERICACEAE

Common name: Honey-cup, dusty zenobia

Synonyms: *Andromeda pulverulenta*, *Zenobia pulverulenta f. pulverulenta*

Deciduous shrub 1-2 m. Leaves broadly oval to elliptic 2-8 cm by1.2-4.5 cm. Flowers in clusters on pendulous racemes, fragrant, white, bell-shaped, 1.5 cm diameter in May and June Native to moist soils in sandy or peaty pine savannahs, shrub bogs, pond or swamp margins in eastern U.S. from Virginia to Georgia.

Surinam Scott #1622k. Issued 6 January 2021 in sheets of 12.

Cnidoscolus urens* var. *stimulosus. EUPHORBIACEAE

Common name: Finger-rot, tread softly, bull nettle, spurge nettle

Synonyms: *Bivonea stimulosa*, *Cnidoscolus michauxii*, *C. stimulosus*, *Jatropha stimulosa*, *J. stipulosa*, *J. urens* var. *stimulosa*

Perennial herb erect to reclining, to 1 m, covered with stinging hairs. Leaves alternate, palmately three to five lobed and serrated. Flowers, white, 1.5 cm, spring and summer. Sandy soil in pine and blackjack oak forests on Carolina bays and dunes, field and roadsides.

Surinam Scott #1622l. Issued 6 January 2021 in sheets of 12.

ANIMALS; DOGS & CATS; HORSES; INSECTS; BUGS BUTTERFLIES; MALARIA; FLOWERS & PLANTS; ORCHIDS MUSHROOMS; MARINE LIFE; FISH; TURTLES; REPTILES SHELLS; WHALES & SEALS; BIRDS; MINERALS MIXED BIOLOGY TOPICS

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FUNGI

Editor

Paul A. Mistretta, BU 1681

Ed. Note: Occasionally in this section and also in the Herpetology section, we will note a species that is known to be poisonous or venomous by marking it with a ☠ symbol. One should not infer that other species that are not so marked are non-poisonous or non-venomous or safe to handle/eat.

New Issues

Scott #	Denom.	Common name; Scientific name	Family name	Code
ST. PIERRE & MIQUELON		**2020, 7 November** (M)		
1097	€1.50	Shaggy ink cap, lawyer's wig, shaggy mane, *Coprinus comatus* (on stamp as "Coprin chevelu")	Coprinaceae	A
		2021, 12 January (M)		
1101	€1.28	Peck's Russula, *Russula peckii*	Russulaceae	A
SIERRA LEONE		**2018, 29 June** (M)		
4842b	9,800Le	Man on horseback, yellow knight; *Tricholoma equestre*	Tricholomataceae	A
4842c	9,800Le	Weeping milk cap,voluminous-latex milky; *Lactarius volemus*	Russulaceae	A
4842d	9,800Le	Whitelaced shank mushroom, *Megacolybia platyphylla*	Tricholomataceae	A
4862	40,000Le	Honey mushroom; *Armillaria mellea*	Physalacriaceae	A
		2018, 28 September (M & Scout)		
4959d	9,800Le	Scout examining mushroom	-----	B
		2018, 30 November (M)		
5051a	9,800Le	Beech mushroom plus 4 others, *Hypsizgus tesselatus*	Lyophyllaceae	A
5051b	9,800Le	Emperor Web-cap Fungus, *Cortinarius archeri*	Cortinariaceae	A
5051c	9,800Le	Common morel, yellow morel, sponge morel, & others, *Morchella esculenta*	Morchellaceae	A
5051d	9,800Le	Fly agaric, fly amanita, *Amanita muscaria*	Amanitaceae	A
5071	40,000Le	Destroying angel, *Amanita virosa*	Amanitaceae	A
BELGIUM		**2021, 15 March** (M)		
2944b	1 (€1.85)	No common name found, *Alternaria alternata*	Pleosporaceae	A
2944d	1 (€1.85)	No common name found, *Gonatobotrys simplex*	Ceratostomataceae	A
2944	5 x (€1.85)	MS of 5 diff microorganisms, 2 fungi plus a diatom, an Actinobacteria, and a planktonic filamentous cyanobacterium.		
BULGARIA		**2020, 5 February** (M)		
4929	2.30L	Generalized mushrooms at LR	-----	C G
4929a	2.30L	SS of 1 with generalized mushrooms at LR of stamp	-----	C G
NEW CALEDONIA		**2021, 3 May** (M)		
1275a	(180fr)	Anemone stinkhorn, *Aseroe arachnoidea*	Phallaceae	A
1275b	(180fr)	No common name found, *Ophiocordyceps sp.*	Ophiocordycipitaceae	A

SURINAM **2021, 5 May** (M)

1628a	$25	Red crackling bolete, *Xerocomus chrysenteron*	Boletaceae	A
1628b	$30	Ruby bolete, *Xerocomus* (now *Hortiboetus*) *rubellus*	Boletaceae	A
1628c	$40	Suede bolete + at least 3 others, *Xerocomus subtoentosus*	Boletaceae	A
1628d	B [$51]	Peppery bolete, *Boletus* (now *Chalciporus*) *piperatus*	Boletaceae	A

Printed such that stamps can exist either as singles, as a vertical strip of 4, or as a block of 4. My best guess for this issue is that, consistent with recent issues, these stamps were probably issued in miniature sheets of 8 stamps; 2 columns of 4 x 4 rows of 2 stamps, with 1 column upright while the other is inverted relative to the other.

Look-alikes

Belgium (15 Mar 2021): MS of 5 different Jellyfish (Sc#2943). All have the basic shape of gilless mushrooms.

Caveat Emptor! (part 2)
"Legalities"

Paul A. Mistretta

In the last issue I began a discussion of a real problem negatively affecting our shared interest in topical philately. In recent years the "issuing" of illegal "stamps" (declared or not by the powers that be at) has far more than doubled the number of items needed to complete a collection of mushrooms on stamps. (And the problem doesn't end there!) You could say (but probably shouldn't) that our topic has mushroomed over the last 10-15 years.

But how does one determine whether the issues being offered for sale are valid postage or just pretty wallpaper?

Let's begin at the beginning with The Universal Postal Union (the UPU). (Note: to avoid confusion all direct quotes in this article will be typed in a different font than the remainder of the article.)

Self described on its website "The Universal Postal Union is a United Nations specialized agency and the postal sector's primary forum for international cooperation" (Anon. 2020c). Further:

> "Established in 1874, the Universal Postal Union (UPU), with its headquarters in the Swiss capital Berne, is the second oldest international organization worldwide.
> "With its 192 member countries, the UPU is the primary forum for cooperation between postal sector players. It helps to ensure a truly universal network of up-to-date products and services.
> "In this way, the organization fulfills an advisory, mediating and liaison role, and provides technical assistance where needed. It sets the rules for international mail exchanges and makes recommendations to stimulate growth in mail, parcel and financial services volumes and improve quality of service for customers." (Anon 2020a)

The Universal Postal Convention Manual, published by the International Bureau of the Universal Postal Union in Berne (Anon. 2019), contains specific language which is slightly changed and renumbered from previous editions of the Manual, but which retains the sense of the original policies of the Union found at least as early as in the 2004 Universal Postal Convention and Final Protocol approved at the UPU Congress held in Bucharest (Anon. 2009). Quoted sections of Article 2 describes the necessary identification of a legitimate postal authority, while the quotes of the full text of Article 6 describes legitimate issues.

> Article 2
> Designation of the entity or entities responsible for fulfilling the obligations arising from adherence to the Convention

1. Member countries shall notify the International Bureau, within six months of the end of Congress, of the name and address of the governmental body responsible for overseeing postal affairs. Within six months of the end of Congress, member countries shall also provide the International Bureau with the name and address of the operator or operators officially designated to operate postal services and to fulfil the obligations arising from the Acts of the Union on their territory. Between Congresses, member countries shall notify the International Bureau of any changes in the governmental bodies as soon as possible. Any changes with regard to the officially designated operators shall also be notified to the International Bureau as soon as possible, and preferably at least three months prior to the entry into force of the change…

Article 6

Postage stamps

1 The term "postage stamp" shall be protected under the present Convention and shall be reserved exclusively for stamps which comply with the conditions of this article and of the Regulations.

2 Postage stamps:

2.1 shall be issued and put into circulation solely under the authority of the member country or territory, in conformity with the Acts of the Union;

2.2 are a manifestation of sovereignty and constitute proof of prepayment of the postage corresponding to their intrinsic value when affixed to postal items, in conformity with the Acts of the Union;

2.3 must be in circulation, for postal prepayment or for philatelic purposes, in the member country or territory of issue, according to its national legislation;

2.4 must be accessible to all citizens within the member country or territory of issue…

3 Postage stamps comprise:

3.1 the name of the member country or territory of issue, in roman letters, or, if the UPU International Bureau is so requested by the member country or territory of issue, the abbreviation or initials officially representing the member country or territory of issue, in accordance with the conditions laid down in the Regulations;

3.2 the face value, expressed:

3.2.1 in principle, in the official currency of the country or territory of issue, or as a letter or symbol;

3.2.2 through other identifying characteristics.

intergovernmental organizations featuring on postage stamps shall be protected within the meaning of the Paris Convention for the Protection of Industrial Property.

5 The subjects and designs of postage stamps shall:

5.1 be in keeping with the spirit of the Preamble to the UPU Constitution and with decisions taken by the Union's bodies;

5.2 be closely linked to the cultural identity of the member country or territory, or contribute to the dissemination of culture or to maintaining peace;

5.3 have, when commemorating leading figures or events not native to the member country or territory, a close bearing on the country or territory in question;

5.4 be devoid of political character or of any topic of an offensive nature in respect of a person or a country;

5.5 be of major significance to the member country or territory.

6 Postal prepayment impressions, franking machine impressions and impressions made by a printing press or another printing or stamping process in accordance with the Acts of the Union may be used only with the authorization of the member country or territory."

So, now we have a clear definition of the legality of both postal agencies and the stamp issues bearing their names. With the definition in-place we can deduce some common characteristics of 'illegals". These include:

•The source of an issue bearing the name of a postal authority recognized under Article 2 & Article 6 section 3.2.1 is not actually that postal authority,

•The "issues" are designed primarily for the philatelic trade and not for franking of postal materials (violates Art. 6, Sec. 2.2)

•The issues were never circulated by the postal system of the country to which they are attributed, but are sold directly on the open market either through stamp sales houses or through internet sales (violates Art. 6, Sec. 2.3)

•The issues are not authorized by a member country; although, for some issues "contracts" with persons not authorized to represent the legitimate postal agencies are executed and used to "prove" legitimacy (violates Art. 6, Sec. 6)

In order to help collectors evaluate legality of issues, the UPU through the WADPS (World Association for the Development of Philately) has established the WNS (the WADP Numbering System) which:

> "…is a register of all official postage stamps issued by its members created in 2002 by UPU, WADP and its partners. It is the only system that provides collectors with a guarantee that a given stamp is official." (Anon. 2020d)

You can access the WNS search engine at: https://www.wnsstamps.post/en/Stamps-Search. Once there you are ready to search the 100,000 plus listings of valid postage stamps of the 194 UPU member countries which have been issued since 2002.

A couple of hints are in order:

•Neither "mushroom" nor "fungus" typed in the **"Theme"** box (in the search menu at the left) generates any results.

•**"Flora"** did produce results, but generates a massive listing including all sorts of plants (herbaceous and woody), flowers, and mushrooms. Adding the *Sub-theme* of **"Mushrooms"** to your requests gets you the, much shorter, listing desired.

•Clicking the **"Statistics"** button at the top of the page generated a useful listing of the total number of stamps issued, with annual totals, since 2002 for each of the 194 countries listed, however,

•Most useful for my purposes when viewing the data in this manner was clicking on the country names in the listing of statistics (discussed below).

Clicking on any country name in the statistics table generates a screen of eight stamp images with general information about each. Images are displayed in reverse chronological order (most recent first). Clicking the **"More"** button at the bottom of the screen generates the next eight images for the country. As you click the "More" button the images from previous clicks remain above the current info, so that ultimately, simply by scrolling up or down, you have available a complete catalog of legal issues for the country you are researching.

Figure 1. Typical partial initial listing of stamps from the information accessed in the "Statistics" table of the WNS website.

In addition, clicking on any of the images (both here and in the "Mushrooms" listing) generates a fuller description of the item clicked (Figure 2).

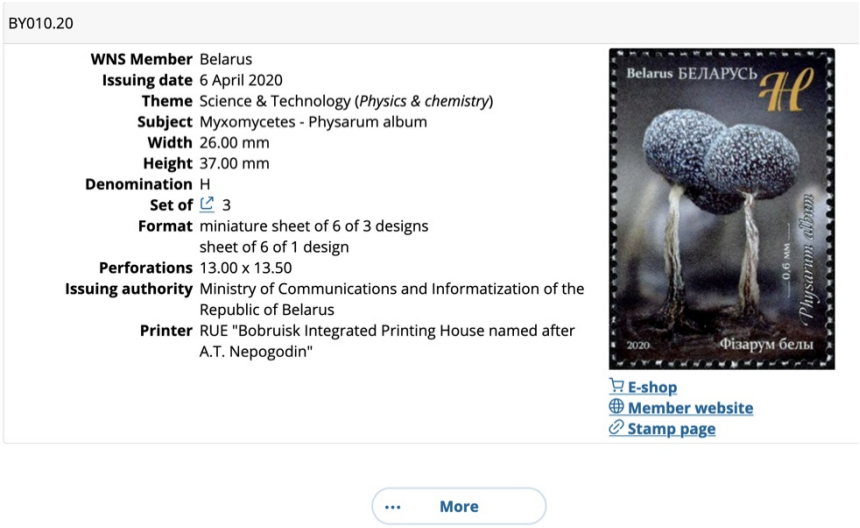

Figure 2 Expanded details of the individual stamp being researched. (Clicking the "More" button returns you to the previous, eight-image, screen.)

There are several things to note in Figures 1, 2 or both as follows:

- WNS Catalog number (an eight-character descriptor for each individual stamp):
  - A 2-letter country code; (the codes are ISO 3166 Alpha-2 country codes),
  - A 3-digit individual catalog number ("serial number")
  - A "." separaton
  - A 2-digit year (this works as a 2-digit number since all records in the database are for issues from 2002 or more recently, so that 20** is assumed.)
- Date of issue
- Subject of the vignette, and
- Additional data as seen in Fig. 2 above.

Clicking the little arrow by the "Set of" information in the figure 2 type record generates a screen showing all of the images of the stamps included in the set.

Caution must be exercised with respect to the completeness of the data in this database. The data which it contains is based on the voluntary submission of new issue information by the official postal agency of each of the member countries. And therein lies a very real potential problem.

The process of "submission" includes the notification of the other 192 UPU member countries (generally in the form of a circular) and the submission of 15 samples of the issue to the cataloging committee at the UPU for confirmation and subsequent inclusion in the WNS database. (Article 06-002 of the UPU's Convention Manual; Anon. 2019).

Should a country choose not to follow the protocol, the database will no longer include all valid postal items from that country. Thus, the list is conservative, probably under-listing legitimate issues of stamps.

Note that the reverse, the recording of unauthorized issues, is also voluntary:

> "UPU member countries are asked to report any illegal stamp issues to the International Bureau, which will inform the international philatelic community via a circular. Philatelic circulars are freely accessible on the UPU website, as part of the International Bureau's efforts to raise awareness of this issue among designated operators and WADP partners." (Anon. 2020b)

I plan on discussing these two and other concerns next time. For now - a little homework. The UPU has posted a brief (14 slide) summary describing illegals of various types at: https://www.upu.int/UPU/media/upu/DL.PHIL/LesMenacesContreLaPhilatelieEn.pdf. This is, I believe, is a presentation outline for a talk given by the Program Manager of the UPU Logistics Directorate. It is easy to read and gives a very good overview of illegals.

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MAMMALIA

Editor
Michael Prince, LM 68

New Issues

Scott #	Denom.	Common name/Scientific name	Family name	Code
ARGENTINA		**2020, December 9** (National Parks) Set/12		
2917	20p	Marsh Deer, *Blastocerus dichotomus*	Cervidae	B
2918	200p	Guanaco, *Lama guanicoe*	Camelidae	B
BELARUS		**2020, June 1** (Animals in Winter and Summer) Set/6		
1181a	(54k)	Mountain Hare (Winter), *Lepus timidus*	Leporidae	A
1181b	(1r50)	Mountain Hare (Summer), *Lepus timidus*	Leporidae	A
1182a	(1r50)	Stoat (Ermine) (Winter), *Mustela erminea*	Mustelidae	A
1182b	(1r74)	Stoat (Ermine) (Summer), *Mustela erminea*	Mustelidae	A
CANADA		**2021, February 16** (Mammals in Winter) Set/5		
3275a	(92c)	Peary Caribou, *Rangifer tarandus pearyi*	Cervidae	A
3275b	(92c)	Stoat (Ermine), *Mustela erminea*	Mustelidae	A
3275c	(92c)	Snowshoe Hare, *Lepus americanus*	Leporidae	A
3275d	(92c)	Northern Collared Lemming, *Dicrostonyx groenlandicus*	Muridae	A
3275e	(92c)	Arctic Fox, *Vulpes lagopus*	Canidae	A
3276	(92c)	Stoat (Ermine), *Mustela erminea*	Mustelidae	A
3277	(92c)	Snowshoe Hare, *Lepus americanus*	Leporidae	A
3278	(92c)	Peary Caribou, *Rangifer tarandus pearyi*	Cervidae	A
3279	(92c)	Arctic Fox, *Vulpes lagopus*	Canidae	A
3280	(92c)	Northern Collared Lemming, *Dicrostonyx groenlandicus*	Muridae	A
COLOMBIA		**2020, October 30** (Colombian Parks) Set/10		
1554a	5000p	Humboldt's Woolly Monkey, *Lagothrix lagotricha*	Atelidae	A
1554c	5000p	South American Tapir, *Tapirus terrestris*	Tapiridae	A
1554g	5000p	Jaguar, *Panthera onca*	Felidae	A
HUNGARY		**2021, May 5** (Endangered Animals) Set/2		
4594b	715fo	Steppe Polecat, *Mustela eversmannii*	Mustelidae	A
JAPAN		**2020, November 16** (Adult and Juvenile Animals) Set/10		
4458	Sheet of 10			
4458a	¥63	Domestic Cat, *Felis catus*	Felidae	A
4458c	¥63	European Rabbit, *Oryctolagus cuniculus*	Leporidae	A
4458d	¥63	Four-toed Hedgehog, *Atelerix albiventris*	Erinaceidae	A
4458e	¥63	Domestic Dog, *Canis lupus familiaris*	Canidae	A
4458f	¥63	Eastern Chipmunk, *Tamias striatus*	Sciuridae	A
4458g	¥63	Domestic Pig, *Sus scrofa domesticus*	Suidae	A
4458i	¥63	Wild Boar, *Sus scofa*	Suidae	A
4458j	¥63	Golden Hamster, M*esocricetus auratus*	Cricetidae	A

JAPAN (continued)

4459a	¥84	Asiatic Elephant, *Elephas maximus*	Elephantidae	A
4459b	¥84	Giant Panda, *Ailuropoda melanoleuca*	Ursidae	A
4459c	¥84	Koala, *Phascolarctos cinereus*	Phascolarctidae	A
4459d	¥84	Polar Bear, *Ursus maritimus*	Ursidae	A
4459f	¥84	Plains Zebra, *Equus quagga*	Equidae	A
4459h	¥84	Red Kangaroo, *Macropus rufus*	Macropodidae	A
4459i	¥84	Sika Deer, *Cervus nippon*	Cervidae	A
4459j	¥84	Japanese Macaque, *Macaca fuscata*	Cercopithecidae	A

2020, November 20 (Snow and Animals) Set/10

4491	Sheet of 10			
4461d	¥84	Red fox, *Canis lupus*	Canidae	A
4461e	¥84	Sika Deer, Cervus nippon	Cervidae	A
4461g	¥84	Japanese Hare, *Lepus brachyurus*	Leporidae	A
4461h	¥84	Eurasian Red Squirrel, *Sciurus vulgaris*	Sciuridae	A

SOUTH KOREA **2020, December 15** (Bears, joint issue with Russia) Set/2

2583a	380w	Ussuri Black Bear, *Ursus thibetanus ussuricus*	Ursidae	A
2583b	380w	Eurasian Brown Bear, *Ursus arctos arctos*	Ursidae	A

MALDIVE ISLANDS **2017, September 12** (Fishing) SS/1

3977	70r	Brown Bear, *Ursus arctos*	Ursidae	A SS

2017, September 12 (Bats) Set/4, SS/1

3986a	22r	Western Barbastelle, *Barbastella barbastellus*	Vespertilionidae	A MS
3986b	22r	Soprano Pipistrelle, *Pipistrellus pgymaeus*	Vespertilionidae	A MS
3986c	22r	Brown Big-eared Bat, Plecotus auritus	Vespertilionidae	A MS
3986d	22r	Golden-capped Fruit Bat, *Acerodon jubatus*	Pteropodidae	A MS
3995	70r	Soprano Pipistrelle, *Pipistrellus pygmaeus*	Vespertilionidae	A SS

2017, September 26 (Pandas) Set/4, SS/1

3998a	20r	Red Panda, *Ailurus fulgens*	Ailuridae	A MS
3998b	20r	Giant Panda, *Ailuropoda melanoleuca*	Ursidae	A MS
3998c	20r	Same species	Ursidae	A MS
3998d	20r	Red Panda, *Ailurus fulgens*	Ailuridae	A MS
4007	60r	Giant Panda, *Ailuropoda melanoleuca*	Ursidae	A SS

2017, September 26 (Dolphins)Set/4, SS/1

3999a	20r	Atlantic Spotted Dolphin, *Stenella frontalis*	Delphinidae	A MS
3999b	20r	Commerson's Dolphin, *Cephalorhynchus commersonii*	Delphinidae	A MS
3999c	20r	Hector's Dolphin, *Cephalorynchus hectori*	Delphinidae	A MS
3999d	20r	Atlantic Humpbacked Dolphin, *Sousa teuszii*	Delphinidae	A MS
4008	60r	Short-beaked Common Dolphin, *Delphinus delphis*	Delphinidae	A SS

2018, March 15 (Tigers) Set/4, SS/1

4051a	20r	Bengal Tiger, *Panthera tigris tigris*	Felidae	A MS
4051b	20r	Sumatran Tiger, *Panthera tigris sumatrae*	Felidae	A MS
4051c	20r	Amur Tiger, *Panthera tigris altaica*	Felidae	A MS
4051d	20r	Same species	Felidae	A MS
4066	60r	Malayan Tiger, *Panthera tigris jacksoni*	Felidae	A SS

MALDIVE ISLANDS (continued)

2018, May 10 (Polar Bears) Set/4, SS/1

4076a	20r	Polar Bear, *Ursus maritimus*	Ursidae	A MS
4076b	20r	Same species	Ursidae	A MS
4076c	20r	Same species	Ursidae	A MS
4076d	20r	Same species	Ursidae	A MS
4091	60r	Same species	Ursidae	A SS

RUSSIA **2020, December 15** (Bears joint issue with S. Korea) Set/2

8223a	24r	Ussuri Black Bear, *Ursus thibetanus ussuricus*	Ursidae	A MS
8223b	24r	Eurasian Brown Bear, Ursus arctos arctos	Ursidae	A MS

2021, January 20 (Leopard)

8224	52r	Persian Leopard, *Panthera pardus ciscaucasica*	Felidae	A MS

ST. THOMAS & PRINCE ISLANDS **2017, May 8** (Animals and WWF Stamps)

3301	31,000d	Bornean Orangutan, *Pongo pygmaeus*	Hominidae	A
3302	31,000d	Giant Panda, *Ailuropoda melanoleuca*	Ursidae	A
3303	31,000d	Black Rhinoceros, *Diceros bicornis*	Rhinocerotidae	A
3304	124,000d	Turtle species on stamp		
		In margin: Red-shanked Douc Langur, *Pygathrix nemaeus*	Cercopithecidae	A

2017, July 20 (Polar Bears) Set/4, SS/1

3370	31,000d	Polar Bear, *Ursus maritimus*	Ursidae	A MS
3371	31,000d	Same species	Ursidae	A MS
3372	31,000d	Same species	Ursidae	A MS
3373	31,000d	Same species	Ursidae	A MS
3374	124,000d	Same species	Ursidae	A SS

2017, July 20 (Lions) Set/4, SS/1

3378a	31,000d	Barbary Lion, *Panthera leo leo*	Felidae	A MS
3378b	31,000d	Same species	Felidae	A MS
3378c	31,000d	Same species	Felidae	A MS
3378d	31,000d	Same species	Felidae	A MS
3396	124,000d	Barbary Lion, *Panthera leo leo*	Felidae	A SS
		African Buffalo, *Syncerus caffer*	Bovidae	A SS

2017, July 20 (Tigers) Set/4, SS/1

379a	31,000d	Malayan Tiger, *Panthera tigris jacksoni*	Felidae	A MS
3379b	31,000d	Sumatran Tiger, *Panthera tigris sumatrae*	Felidae	A MS
3379c	31,000d	South China Tiger, *Panthera tigris amoyensis*	Felidae	A MS
3379d	31,000d	Bengal Tiger, *Panthera tigris tigris*	Felidae	A MS
3397	124,000d	IndoChinese Tiger, *Panthera tigris corbetti*	Felidae	A SS

2017, July 20 (Elephants) Set/4, SS/1

3382a	31,000d	Asiatic Elephant, *Elephas maximus*	Elephantidae	A MS
3382b	31,000d	Indian Elephant, *Elephas maximus indicus*	Elephantidae	A MS
3382c	31,000d	African Elephant, *Loxodonta africana*	Elephantidae	A MS
3382d	31,000d	Sumatran Elephant, *Elephas maximus sumatranus*	Elephantidae	A MS
3400	124,000d	Sri Lankan Elephant, *Elephas maximus maximus*	Elephantidae	A SS

2017, July 20 (Whales) Set/4, SS/1

3383a	31,000d	Humpback Whale, *Megaptera novaeangliae*	Balaenopteridae	A MS

ST. THOMAS & PRINCE (continued)

3383b	31,000d	Sperm Whale, *Physeter macrocephalus*	Physeteridae	A MS
3383c	31,000d	Orca (Killer Whale), *Orcinus orca*	Delphinidae	A MS
3383d	31,000d	Blue Whale, *Balaenoptera musculus*	Balaenopteridae	A MS
3401	124,000d	Sperm Whale, *Physeter macrocephalus*	Physeteridae	A SS

SIERRA LEONE **2018, May 30** (Indian Railways 165th Anniversary) Set/4, SS/1

4786a	9800le	Rhesus Monkey, *Macaca mulatta*	Cercopithecidae	A MS
4786b	9800le	Tiger, *Panthera tigris*	Felidae	A MS
4786d	9800le	Gangatiri Cow, *Bos tauras indicus*	Bovidae	A MS
4804	40,000le	Indian Elephant, Elephas maximus indicus	Elephantidae	A MS

2018, May 30 (Cats) Set/4, SS/1

4798a	9800le	African Leopard, *Panthera pardus pardus*	Felidae	A MS
4798b	9800le	Lion, *Panthera leo*	Felidae	A MS
4798c	9800le	Cheetah, *Acinonyx jubatus*	Felidae	A MS
4798d	9800le	African Leopard, *Panthera pardus pardus*	Felidae	A MS
4816	40,000le	Lion, *Panthera leo*	Felidae	A MS
	In margin:	Leopard, *Panthera pardus*	Felidae	A SS Z
		Lion, *Panthera leo*	Felidae	A SS Z
		African Buffalo, *Syncerus caffer*	Bovidae	A SS Z

2018, June 29 (Monkeys)

4835a	9800le	Mandrill, *Mandrillus sphinx*	Cercopithecidae	A MS
4835b	9800le	Dusky Leaf Monkey, *Trachypithecus obscurus*	Cercopithecidae	A MS
4835c	9800le	Red-shanked Douc Langur, *Pygathrix nemaeus*	Cercopithecidae	A MS
4835d	9800le	East Javan Langur, *Trachypithecus auratus*	Cercopithecidae	A MS
4855	40,000le	Emperor Tamarin, *Saguinus imperator*	Cebidae	A SS
	In margin:	Golden Leaf Monkey, *Trachypithecus geei*	Cercopithecidae	A SS Z
		Golden Snub-nosed Monkey, *Rhinopithecus roxellana*	Cercopithecidae	A SS Z

2018, June 29 (Lions)

4836a	9800le	Lion, *Panthera leo*	Felidae	A MS
4836b	9800le	Same species	Felidae	A MS
4836c	9800le	Same species	Felidae	A MS
4836d	9800le	Same species	Felidae	A MS
4856	40,000le	Lion *Panthera leo*	Felidae	A SS

2018, July 27 (Elephants) Ser/4, SS/1

4885a	9800le	African Bush Elephant, *Loxodonta africana*	Elephantidae	A MS
4885b	9800le	Asiatic Elephant, *Elephas maximus*	Elephantidae	A MS
4885c	9800le	Indian Elephant, *Elephas maximus indicus*	Elephantidae	A MS
4885d	9800le	Sri Lankan Elephant, *Elephas maximus maximus*	Elephantidae	A MS
4905	40,000le	African Forest Elephant, *Loxodonta cyclotis*	Elephantidae	A SS

2018, August 30 (Cats)

4909a	9800le	Snow Leopard, *Panthera uncia*	Felidae	A MS
4909b	9800le	Same species	Felidae	A MS
4909c	9800le	Same species	Felidae	A MS
4909d	9800le	Same species	Felidae	A MS
4927	40,000le	Snow Leopard, *Panthera uncia*	Felidae	A SS

SIERRA LEONE (continued)

	In margin: Snow Leopard, *Panthera uncia*		Felidae	A SS Z
		2018, August 30 (Dolphins) Set/4, SS/1		
4910a	9800le	Amazon River Dolphin, *Inia geoffrensis*	Iniidae	A MS
4910b	9800le	Common Bottlenose Dolphin, *Tursiops truncatus*	Delphinidae	A MS
4910c	9800le	Atlantic Spotted Dolphin, *Stenella frontalis*	Delphinidae	A MS
4910d	9800le	Risso's Dolphin, *Grampus griseus*	Delphinidae	A MS
4928	40,000le	Commerson's Dolphin, *Cephalorhynchus commersonii*	Delphinidae	A SS
	In margin: Striped Dolphin, *Stenella coeruleoalba*		Delphinidae	A SS Z
		2018, September 28 (Giraffes) Set/6, SS/1		
4950a	9800le	South African Giraffe, *Giraffa camelopardalis giraffe*	Giraffidae	A MS
4950b	9800le	Masai Giraffe, *Giraffa camelopardalis tippelskirchii*	Giraffidae	A MS
4950c	9800le	Reticulated Giraffe, *Giraffa camelopardalis reticulata*	Giraffidae	A MS
4950d	9800le	Rhodesian Giraffe, *Giraffa camelopardalis thornicrofti*	Giraffidae	A MS
4950e	9800le	Kordofan Giraffe, *Giraffa camelopardalis antiquorum*	Giraffidae	A MS
4950f	9800le	Angolan Giraffe, *Giraffa camelopardalis angolensis*	Giraffidae	A MS
4968	40,000le	Northern Giraffe, *Giraffa camelopardalis*	Giraffidae	A SS
		2018, September 28 (Global Warming) Set/6, SS/1		
4954a	9800le	Polar Bear, *Ursus maritimus*	Ursidae	A MS
4954b	9800le	Atlantic Walrus, *Odobenus rosmarus*	Odobenidae	A MS
4954c	9800le	American Pika, *Ochotona princeps*	Ochotonidae	A MS
4954d	9800le	Bornean Orangutan, *Pongo pygmaeus*	Hominidae	A MS
4954f	9800le	Arctic Fox, *Vulpes lagopus*	Canidae	A MS
4972	40,000le	Polar Bear, *Ursus maritimus*	Ursidae	A SS
		2018, September 28 (Dusit Zoo, Bangkok 80th Anniversary) Set/3		
4985a	9800le	Bengal Tiger, *Panthera tigris tigris*	Felidae	A MS
4985b	9800le	Red Muntjac, *Muntiacus muntjak*	Cervidae	A MS
4985c	9800le	Malayan Tapir, *Tapirus indicus*	Tapiridae	A MS
		2018, October 30 (Bats) Set/4, SS/1		
5005a	9800le	Painted Bat, *Kerivoula picta* NEW	Vespertilionidae	A MS
5005b	9800le	Grey Big-eared Bat, *Plecotus austriacus*	Vespertilionidae	A MS
5005c	9800le	Little Red Flying Fox, *Pteropus scapulatus*	Pteropodidae	A MS
5005d	9800le	Egyptian Rousette, *Rousettus aegyptiacus*	Pteropodidae	A MS
5024	40,000le	Little Brown Bat, *Myotis lucifugus*	Vespertilionidae	A SS
	In margin:	Grey Big-eared Bat, *Plecotus austriacus*	Vespertilionidae	A SS Z
		2018, November 15 (Definitives type of 2016) Set/17		
5032	1000le	Lion, *Panthera leo*	Felidae	A
5033	2000le	Same species	Felidae	A
5034	5000le	Same species	Felidae	A
		2018, November 30 (Hippos) Set/4, SS/1		
5046a	9800le	Hippopotamus, *Hippopotamus amphibius*	Hippopotamidae	A MS
5046b	9800le	Same species	Hippopotamidae	A MS
5046c	9800le	Same species	Hippopotamidae	A MS
5046d	9800le	Same species	Hippopotamidae	A MS

SIERRA LEONE (continued)

5066	40,000le	Hippopotamus, *Hippopotamus amphibius*	Hippopotamidae	A SS
	In margin: Hippopotamus, *Hippopotamus amphibius*		Hippopotamidae	A SS Z
		2018, November 30 (Rhinos) Set/4, SS/1		
5047a	9800le	Black Rhinoceros, *Diceros bicornis*	Rhinocerotidae	A MS
5047b	9800le	White Rhinoceros, *Ceratotherium simum*	Rhinocerotidae	A MS
5047c	9800le	Sumatran Rhinoceros, *Dicerorhinus sumatrensis*	Rhinocerotidae	A MS
5047d	9800le	Javan Rhinoceros, *Rhinoceros sondaicus*	Rhinocerotidae	A MS
5067	40,000le	Indian Rhinoceros, *Rhinoceros unicornis*	Rhinocerotidae	A SS
	In margin: White Rhinoceros, *Ceratotherium simum*		Rhinocerotidae	A SS Z
		2018, December 28 (Killer Whales) Set/4, SS/1		
5093a	9800le	Orca (Killer Whale), *Orcinus orca*	Delphinidae	A MS
5093b	9800le	Same species	Delphinidae	A MS
5093c	9800le	Same species	Delphinidae	A MS
5093d	9800le	Same species	Delphinidae	A MS
5111	40,000le	Orca (Killer Whale), *Orcinus orca*	Delphinidae	A SS
	In margin: Orca (Killer Whale), *Orcinus orca*		Delphinidae	A SS Z
		2018, December 28 (Dolphins) Set/4, SS/1		
5094a	9800le	Short-beaked Common Dolphin, *Delphinus delphis*	Delphinidae	A MS
5094b	9800le	Common Bottlenose Dolphin, *Tursiops truncatus*	Delphinidae	A MS
5094c	9800le	Common Bottlenose Dolphin, *Tursiops truncatus*	Delphinidae	A MS
		Dusky Dolphin, *Lagenorhynchus obscurus*	Delphinidae	A MS
5094d	9800le	Atlantic White-sided Dolphin, *Lagenorhynchus acutus*	Delphinidae	A MS
5112	40,000le	Long-beaked Common Dolphin, *Delphinus capensis*	Delphinidae	A SS
	In margin: Short-beaked Common Dolphin, *Delphinus delphis*		Delphinidae	A SS Z
		Dusky Dolphin, *Lagenorhynchus acutus*	Delphinidae	A SS Z
		Common Bottlenose Dolphin, *Tursiops truncatus*	Delphinidae	A SS Z
		2018, December 28 (Arctic Animals) Set/4, SS/1		
5101a	9800le	Arctic Hare, *Lepus arcticus*	Leporidae	A MS
5101b	9800le	Arctic Ground Squirrel, *Spermophilus parryi*	Sciuridae	A MS
5101c	9800le	Narwhal, *Monodon monoceros*	Monodontidae	A MS
5101d	9800le	Muskox, *Ovibos moschatus*	Bovidae	A MS
5119	40,000le	Polar Bear, *Ursus maritimus*	Ursidae	A SS
	In margin: Walrus, *Odobenus rosmarus*		Odobenidae	A SS Z
		Narwhal, *Monodon monoceros*	Monodontidae	A SS Z

SLOVENIA **2021, May 21** (Europa – Endangered Animals) Set/2

1440	€1.22	Wild Cat, *Felis silvestris*	Felidae	A

SRI LANKA **2020, March 3** (Endangered Species) Set/20

2237	15r	Indian Pangolin, *Manis crassicaudata*	Manidae	A

SWEDEN **2020, November 13** (Animals in Winter) Vert. strip/5

2864a	(11k)	Arctic Fox, *Vulpes lagopus*	Canidae	A
2864b	(11k)	Eurasian Lynx, *Lynx lynx*	Felidae	A
2864c	(11k)	Mountain Hare, *Lepus timidus*	Leporidae	A

SWEDEN (continued)

2864d	(11k)	Stoat(Ermine), *Mustela erminea*	Mustelidae	A
2864e	(11k)	Eurasian Red Squirrel, *Sciurus vulgaris*	Sciuridae	A

SWITZERLAND 2020, November 12 (Pro Juventute – Animals in Urban Environments) Set/4

1798	85c	Stoat (Ermine), *Mustela erminea*	Mustelidae	A
1799	100c	Long-tailed Field Mouse, *Apodemus sylvaticus*	Muridae	A
1800	150c	European Mole, *Talpa europaea*	Talpidae	A
1801	200c	Red Fox, *Vulpes vulpes*	Canidae	A
1801a	Block of 4 on translucent paper			

TAJIKISTAN **2020, April 1** (Hunting and Fishing) Set/3

540	5s	European Rabbit, *Oryctolagus cuniculus*	Leporidae	A
542	6s80	Brown Bear, *Ursus arctos*	Ursidae	A
		Domestic Dog, *Canis lupus familiaris*	Canidae	A

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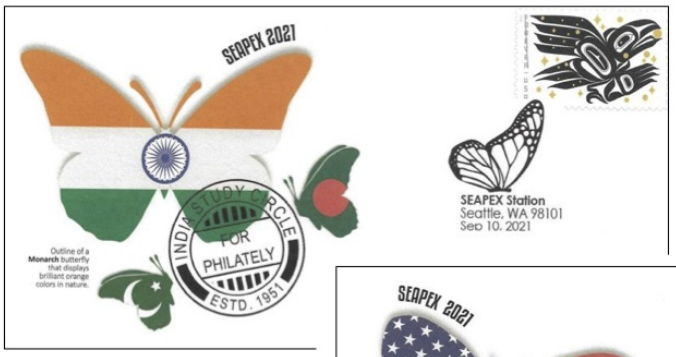

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ORNITHOLOGY

Editor

Glenn G. Mertz, BU 1455

Corrections/Updates

Scott Publishing has assigned numbers for the following issues.

LIBERIA
Update: V69(2), page 112-113.
Issue of 1/6/2020 (Mushrooms & Owls) (set/6=Sc#3347a-f, SS/1=Sc#3353)
(Birds of Liberia) (set/6=Sc#3341a-f, SS/1=Sc#3351)

MALDIVE ISLANDS
Updates: V67(3), page223-224
Replace Mi7033-Mi7036 & SS Mi7037as follows:
6/21/2017 (Paintings of Birds of Prey) (MS/4 w/Sc#3957a-d & SS/1 w/Sc#3967)
6/21/2017 (Paintings of Owls) (MS/4 w/Sc#3963a-d & SS/1 w/Sc#3973)
3/15/2018 replace Mi7213-Mi7215 for Birdpex - (Rare Birds of Maldives)
W(MS/4 w/Sc#3946a-d & SS/1 w Sc#3997)
3/15/2018 (Owls) MS/4 w/Sc#4053a-d, &SS/1 wSc#4068)
3/15/2018 (Birds of Paradise) (MS/4 wSc#4054a-d, & SS/1 w Sc#4069)
5/10/2018 (Water Birds) (MS/4 wSc#4079a-d, & SS/1 wSc#4092)

SIERRA LEONE
Update: V68(1), page 46-47
Issued date, 7/28/2018 (Hornbills) (MS/4=Sc#4887a-d, & SS/1=4907)
8/30/2018 (Wildlife of Macao) (MS/3=Sc#4945 & SS/1=Sc#4946)
8/30/2018 (Owls) (MS/4=Sc#4912a-d, & SS/1=Sc#4930)
8/30/2018 (Peacocks) (MS/4=Sc#4911a-d & SS/1=Sc#4929)
9/28/2018 (Global Waming) (MS/6=Sc#4954e for Emperor Penguin)
9/28/2018 (Tropical Birds) (MS6=Sc#4951a-f, & SS/1=Sc#4969)
10/23/2018 (Eagles) (MS4=Sc#5007a-d & SS/1=Sc#5026)
Update: V68(2), pages 134-136
5/30/2018 (Lighthouses) (MS/4=Sc#4789a-d, & SS/1=Sc#4807)
5/30/2018 (Seabirds) (MS/4=Sc#4799a-d, & SS/1=Sc#4817)
6/29/2018 (Birds of Prey) (MS/4=Sc#4837a-d, & SS/1=Sc#4857)
10/30/2018 (Pigeons) (MS/4=Sc#5006a-d, & SS/1=Sc#5025)
11/30/2018 (Lighthouses) (MS/4=Sc#5059a & SS/1=5079)
11/30/2018 (Owls) (MS/4=Sc#5050a-d & SS/1=Sc#5070)
11/30/2018 (Hummingbirds) (MS/4=Sc#5049a-d & SS/1=Sc#5069)
11/30/2018 (Penguins) MS/4=Sc#5048a-d & SS/1=Sc#5068)
11/30/2018 (150th Anniv Robert Scott) (MS/4-Sc#5057a,c &SS/1-Sc#5077)
12/28/2018 (Birds of Prey) (MS/4=Sc#5096a-d & SS/1=Sc#5114)
12/28/2018 (Water Birds) (MS/4=Sc#5095a-d & SS/1=Sc#5113)

New Issues

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
AITUTAKI		**2020, May 8** (Birds of the World with white frames)	Set/4	A*
710	$2.50	Greater Bird-of-Paradise, *Paradisaea apoda*	Paradisaeidae	
714a	$2.50	Same species, w/o white frames		
711	$3.00	Standardwing Bird-of-Paradise, *Semioptera wallacei*	Paradisaeidae	
714b	$3.00	Same species, w/o white frames		
712	$4.00	Red Bird-of-Paradise, *Paradisaea rubra*	Paradisaeidae	
714c	$4.00	Same species, w/o white frames		
713	$6.00	King-of-Saxony Bird-of-Paradise, *Pteridophora alberti*	Paradisaeidae	
714d	$6.00	Same species, w/o white frames		
714		Block or vert. strip/4 w/o white frames		
714e	$6.00	Souvenir sheet of 4, #714a-d, w/o white frames		
		2020, May 20 (Birds of the World-Geese with whitte frames)	Set/4	A*
715	$5.50	Hawaiian Goose, *Branta sandvicensis*	Anatidae	
719a	$5.50	Same species, w/o white frames		
716	$6.70	Red-breasted Goose, *Branta ruficollis*	Anatidae	
719b	$6.70	Same species, wo/ white frames		
717	$22.40	Bar-headed Goose, *Anser indicus*	Anatidae	
719c	$22.40	Same species, w/o white frames		
718	$29.90	Kelp Goose, *Chloephaga hybrida*	Anatidae	
719d	$29.90	Same species, w/o white frames		
719		Block or vert strip/4 w/o white frames		
719e		Souvenir sheet of 4 #719a-d		
ASCENSION ISLAND		**2020, December 22** (Island scenes-Flora and Fauna)	Set/12	A*
1229	£1.30	Ascension Island Frigatebird, *Fregate aquila*	Fregatidae	
1230	£2.50	Same species as Sc#1229		
1231	£5.00	Sooty Tern, *Sterna fuscata*	Laridae	
AUSTRALIA		**2020, October 30** (Christmas)	Set/5	C*
5228	65c	Flame Robin, *Petroica phoenicea*	Petroicidae	
5233	Same species (SA booklet)			
5233a	Bklt pane of 5			
BELARUS		**2020, June 1** (Animals in winter and summer)	Set/6	A*
1183a	(1.74r)	Willow Ptarmigan, *Lagopus lagopus* (winter dress)	Phasianidae	
1183b	(1.86r)	Same species, in summer dress	Phasianidae	
1183c		Souvenir sheet of 6, #1181-83		
		2020, July 14 (Greetings from Blearus)	Single	B*
1200	(1.50r)	White Stork, *Ciconia ciconia*	Ciconiidae	
BELIZE		**2019, September 12** (Diplomatic Relations Belize & Republic of China, (Taiwan)		A*
1248a	$5.00	Keel-billed Toucan, *Ramphastos sulfuratus*	Ramphastidae	
		Taiwan Blue-Magpie, *Urocissa caerulea*	Corvidae	
BOLIVIA		**2018** (#1335 reprinted with red "Agencia Boliviana de Correos")		A*
1335a	6.50b	Black-necked Stilt, *Himantopus mexicanus*	Recurvirostridae	

BOSNIA & HERZEGOVINA **2020, May 8** (Europa/Ancient postal routes) Set/2, SS/2 A*

831a 2.50m Rock Dove, *Columba livia* Columbidae
831b 2.50m Same species Columbidae
831c SS of two, #831a-831b
Also a booklet w/3 sets

BRITISH ANTARCTIC TERR. **2019, November 18** (Discovery of Antarctica, 200y) A*

579 £1.26 Emperor Penguin, *Aptenodytes forsteri* Sphensicidae

CENTRAL AFRICAN REPUBLIC **2020, June 22** (European Birds of Prey) Set/4, SS/1 A*

N/A 800fr Lesser Spotted Eagle, *Clanga pomarinaco* Accipitridae
(Stamp has genus of *Aquila*)
N/A 800fr Golden Eagle, *Aquila chrysaetos* Accipitridae
N/A 800fr Red Kite, *Milvus milvus* Accipitridae
N/A 800fr Spanish Eagle, *Aquila adalberti* Accipitridae
N/A 3000fr SS Eurasian Marsh-Harrier, *Circus aeruginosus* Accipitridae
In margin: Northern Goshawk, *Accipiter gentilis* Accipitridae

2020, June 22 (Australis Birds of Prey) Set/4, SS/1 A*

N/A 800fr Brahminy Kite, *Haliastur indus* Accipitridae
N/A 800fr Wedge-tailed Eagle, *Aquila audax* Accipitridae
N/A 800fr Australian Kestrel, *Falco cenchroides* Falconidae
N/A 800fr White-bellied Sea-Eagle, *Haliaeetus leucogaster* Accipitridae
N/A 3000fr SS Peregrine Falcon, *Falco peregrinus* Falconidae
In margin: Osprey, *Pandion haliaetus cristatus* (ssp) Pandionidae

2020, July 24 (Extinct Birds) Set/4, SS/1 A*

N/A 850fr Great Auk, *Pinguinus impennis* Alcidae
N/A 850fr Carolina Parakeet, *Conuropsis carolinensis* Psittacidae
N/A 850fr North Island Kaka, *Nestor productus* Strigopidae
N/A 850fr Pagan Reed Warbler, *Acrocephalus yamashinae* V70(1) Acrocephalidae
N/A 3300fr SS Labrador Duck, *Camptorhyncus labradorius* Anatidae
In margin: Passenger Pigeon, *Ectopistes migratorius* Columbidae

2020, July 24 (Owls) Set/4, SS/1 A*

N/A 900fr Snowy Owl, *Bubo scandiacus* Strigidae
N/A 900fr Northern Saw-Whet Owl, *Aegolius acadicus* Strigidae
N/A 900fr Long-eared Owl, *Asio otus* Strigidae
N/A 900fr Burrowing Owl, *Athene cunicularia* Strigidae
N/A 3600fr SS Great Horned Owl, *Bubo virginianus* Strigidae
In margin: Barn Owl, *Tyto alba* Tytonidae

2020, July 24 (Kingfishers) Set/4, SS/1 A*

N/A 850fr Pied Kingfisher, *Ceryle rudis* Alcedinidae
N/A 850fr White-throated Kingfisher, *Halcyon smyrnensis* Alcedinidae
N/A 850fr Green Kingfisher, *Chloroceryle americana* Alcedinidae
N/A 850fr Common Kingfisher, *Alcedo atthis* Alcedinidae
N/A 3300fr SS Common Kingfisher, *Alcedo atthis* Alcedinidae
In margin: Common Kingfisher, *Alcedo atthis* (Bottom) Alcedinidae
Ruddy Kingfisher, *Halcyon coromanda* (UL) Alcedinidae
Collared Kingfisher, *Todiramphus chloris* (UR) Alcedinidae

CENTRAL AFRICAN REP. (continued)

2020, November 30 (Cormorants) Set/4, SS/1 A*

N/A	900fr	Great Cormorant, *Phalacrocorax carbo sinensis* (ssp)	Phalacrocoracidae
N/A	900fr	Pied Cormorant, *Phalacrocorax varius*	Phalacrocoracidae
N/A	900fr	Long-tailed Cormorant, *Microcarbo africanus*	Phalacrocoracidae
N/A	900fr	Double-crested Cormorant, *Phalacrocorax auritus*	Phalacrocoracidae
N/A	3600fr SS	Little Black Cormorant, *Phalacrocorax sulcirostris*	Phalacrocoracidae
		In margin: Imperial Cormorant, *Phalacrocorax atriceps albiventer* (ssp)	Phalacrocoracidae

2020, November 30 (Spoonbills) Set/4, SS/1 A*

N/A	850fr	Eurasian Spoonbill, *Platalea leucorodia*	Threskiornithidae
N/A	850fr	Roseate Spoonbill, *Platalea ajaja*	Threskiornithidae
N/A	850fr	Yellow-billed Spoonbill, *Platalea flavipes*	Threskiornithidae
N/A	850fr	Royal Spoonbill, *Platalea regia*	Threskiornithidae
N/A	3300fr SS	Eurasian Spoonbill, *Platalea leucorodia*	Threskiornithidae
		In margin: Eurasian Spoonbill, *Platalea leucorodia* (LR)	Threskiornithidae
		Roseate Spoonbill, *Platalea ajaja*	Threskiornithidae

2020, November 30 (Doves) Set/4, SS/1 A*

N/A	900fr	Inca Dove, *Columbina inca*	Columbidae
N/A	900fr	Common Wood-Pigeon, *Columba palumbus*	Columbidae
N/A	900fr	European Turtle-Dove, *Streptopelia turtur*	Columbidae
N/A	900fr	Ruddy Ground Dove, *Columbina talpacoti*	Columbidae
N/A	3600fr SS	Mourning Dove, *Zenaida macroura*	Columbidae
		In margin: Mourning Dove, *Zenaida macroura* (LL)	Columbidae
		Inca Dove, *Columbina inca* (RS)	Columbidae
		Common Wood-Pigeon, *Columba palumbus* (UL)	Columbidae

2021, January 29 (Turacos) Set/4, SS/1 A*

N/A	850fr	Great Blue Turaco, *Corythaeola cristata*	Musophagidae
N/A	850fr	Guinea Turaco, *Tauraco persa*	Musophagidae
N/A	850fr	Ross's Turaco, *Musophaga rossae*	Musophagidae
N/A	850fr	White-crested Turaco, *Tauraco leucolophus*	Musophagidae
N/A	3300fr SS	Violet Turaco, *Musophaga violacea*	Musophagidae
		In margin: White-crested Turaco, *Tauraco leucolophus*	Musophagidae

2020, January 29 (Owls) Set/4, SS/1 A*

N/A	800fr	African Scops-Owl, *Otus senegalensis*	Strigidae
N/A	800fr	European Scops-Owl, *Otus scops*	Strigidae
N/A	800fr	Northern White-faced Owl, *Ptilopsis leucotis*	Strigidae
N/A	800fr	Verreaux's Eagle-Owl, *Bubo lacteus*	Strigidae
N/A	3600fr SS	Barn Owl, *Tyto alba*	Tytonidae
		In margin: African Barred Owlet, *Glaucidium capense*	Strigidae

2020, January 29 (Plantain-Eaters) Set/4, SS/1 A*

N/A	850fr	Eastern Plantain-Eater, *Crinifer zonurus*	V70(2)	Musophagidae
N/A	850fr	Western Plantain-Eater, *Crinifer piscator*		Musophagidae
N/A	850fr	Western Plantain-Eater, *Crinifer piscator*		Musophagidae
N/A	850fr	Eastern Plantain-Eater, *Crinifer zonurus*		Musophagidae

CENTRAL AFRICAN REP. (continued)

N/A 3300fr SS Western Plantain-Eater, *Crinifer piscator* Musophagidae
In margin Eastern Plantain-Eater, *Crinifer zonurus* V70(2) Musophagidae

2020, January 29 (Flying Dinosaurs) Set/4, SS/1 A*

N/A 850fr Spear Jaw, †*Dorygnathus banthensis* †Ramphorynchidae
N/A 850fr Istiodactylus, †*Ornithodesmus* †Unenlagiidae
N/A 850fr Pterosaur, †*Gallodactylus canjuersensi*s †Gallodactylidae
N/A 850fr Pterosaur, †*Anurognathus ammoni* †Anurognathidae
N/A 3300fr SS Pterosaur, †*Pternanodon longiceps* †Pteranodontidae
In Margin: Germanodactylus, †*Pterodactylus cristatus* (Bottom) †Germanodactylidae

2021, March 31 (African BIrds) Set/4, SS/1 A*

N/A 900fr Cinereous Vulture, *Aegypius monachus* Accipitridae
N/A 900fr Long-crested Eagle, *Lopaetus occipitalis* Accipitridae
N/A 900fr Jackal Buzzard, *Buteo rufofuscus* Accipitridae
N/A 900fr Rough-legged Hawk, *Buteo lagopus* Accipitridae
N/A 3600fr SS Bateleur, *Terathopius ecaudatus* (also in margin) Accipitridae

2021, March 31 (Acaris) Set/4, SS/1 A*

N/A 850fr Collared Aracari, *Pteroglossus torquatus* Ramphastidae
N/A 850fr Lettered Aracari, *Pteroglossus inscriptu*s V70(2) Ramphastidae
(Previously shown on a 12/7/2007 sheet of Guinea margin) Ramphastidae
N/A 850fr Many-banded Aracari, *Pteroglossus pluricinctus* Ramphastidae
N/A 850fr Humboldt's Aracari, *Pteroglossus inscriptus humboldti* Ramphastidae (ssp)
N/A 3300fr SS Gray-breasted Mountain-Toucan, *Andigena hypoglauca* Ramphastidae New
In margin: Channel-billed Toucan, *Ramphastos vitellinus culminatus* Ramphastidae (ssp)

2021, March 31 (Hummingbirds) Set/4, SS/1 A*

N/A 850fr Green-bearded Helmetcrest, *Oxypogon guerinii* V70(2) Trochilidae
(Was on a Staffa local issue as Bearded Helmetcrest prior to change to Green-bearded Helmetcrest)
N/A 850fr Green-fronted Hummingbird, *Amazilia viridifrons* V70(2) Trochilidae
N/A 850fr Swallow-tailed Hummingbird, *Eupetomena macroura* Trochilidae
N/A 850fr Pale-bellied Hermit, *Phaethornis anthophilu*s V70(2) Trochilidae
N/A 3300fr SS Red-tailed Comet, *Sappho sparganurus* Trochilidae
In margin: Empress Brilliant, *Heliodoxa imperatrix* Trochilidae
(Was also in margin of a 9/11/17 Niger but has not yet been assigned a Scott number)

2021, March 31 (Birds-of-Paradise) Set/4, SS/1 A*

N/A 900fr Lesser Bird-of-Paradise, *Paradisaea minor* Paradisaeidae
N/A 900fr Blue Bird-of-Paradise, *Paradisaea rudolphi* Paradisaeidae
N/A 900fr Magnificent Riflebird, *Ptiloris magnificus* Paradisaeidae
N/A 900fr Splendid Astrapia, *Astrapia splendidissima* Paradisaeidae
N/A 3600fr SS Greater Bird-of-Paradise, *Paradisaea apoda* Paradisaeidae
In margin: "Elliot's" Bird-of-Paradise, *Epimachus ellioti* Paradisaeidae
(Stamp has genus of Elioti—This is not a full species or ssp listing. It is a hybrid between a Black Sicklebird and an Astrapia)

CENTRAL AFRICAN REP. (continued)

2020, March 31 (Trogons) Set/4, SS/1 A*

N/A	900fr	Narina Trogon, *Apaloderma narina* (Frontal on branch looking right)	Trogonidae
N/A	900fr	Same species, also looking right	Trogonidae
N/A	900fr	Same species, on branch looking left	Trogonidae
N/A	900fr	Same species, frontal look on branch	Trogonidae
N/A	3600fr SS	Same species, looking backward to right	Trogonidae
		In margin: Same species, facing right	Trogonidae

CHAD **2020, March 30** (Owls) Set/4, SS/1 A*

N/A	800fr	Little Owl, *Athene noctua*	Strigidae
N/A	800fr	Great Gray Owl, *Strix nebulosa*	Strigidae
N/A	800fr	Northern Hawk-Owl, *Surnia ulula*	Strigidae
N/A	800fr	Long-eared Owl, *Asio otus*	Strigidae
N/A	3300fr SS	Tawny Owl, *Strix aluco*	Strigidae
		In margin: Eastern Screech-Owl, *Megascops asio*	Strigidae

2020, May 30 (Jacanas) Set/4, SS/1 A*

N/A	800fr	Comb-crested Jacana, *Irediparra gallinacea*	Jacanidae
N/A	800fr	African Jacana, *Actophilornis africanus*	Jacanidae
N/A	800fr	Bronze-winged Jacana, *Metopidius indicus*	Jacanidae
N/A	800fr	Northern Jacana, *Jacana spinosa*	Jacanidae
N/A	3300fr SS	Wattled Jacana, *Jacana jacana*	Jacanidae
		In margin: Pheasant-tailed Jacana, *Hydrophasianus chirurgus*	Jacanidae

2020, Aug, 20 (Extinct Species) Set/4, SS/1 A*

N/A	800fr	Passenger Pigeon, †*Ectopistes migratorius*	Columbidae
N/A	800fr	Dodo, †R*aphus cucullatus*	Columbidae

2020, August 20 (Storks) Set/4, SS/1 A*

N/A	800fr	Wood Stork, *Mycteria americana*	Ciconiidae
N/A	800fr	Saddle-billed Stork, *Ephippiorynchus senegalensis*	Ciconiidae
N/A	800fr	Oriental Stork, *Ciconia boyciana*	Ciconiidae
N/A	800fr	Painted Stork, *Mycteria leucocephala*	Ciconiidae
N/A	3300fr SS	Marabou Stork, *Leptoptilos crumenifer*	Ciconiidae
		In margin: White Stork, *Ciconia ciconia*	Ciconiidae

2020, August 20 (Kites) Set/4, SS/1 A*

N/A	800fr	Yellow-billed Kite, *Milvus migrans aegyptius* (ssp) (ssp of Black Kite)	Accipitridae
N/A	800fr	Scissor-tailed Kite, *Chelictinia riocourii*	Accipitridae
N/A	800fr	Black-winged Kite, *Elanus caeruleus*	Accipitridae
N/A	800fr	Black Kite, *Milvus migrans*	Accipitridae
N/A	3300fr SS	Yellow-billed Kite, *Milvus aegyptius* (on stamp) (ssp of Black Kite, also in margin)	Accipitridae

2020, August 20 (Secretary BIrd) Set/4, SS/1 A*

a-d	800fr	Secretary-bird, *Sagittarius serpentarius*	Sagittariidae
N/A	3300fr SS	Same species on the stamp and in margin	Sagittariidae

CHAD (continued)

2020, November 30 (Owls) Seet/4, SS/1 A*

N/A 800fr Snowy Owl, *Bubo scandiacus* Strigidae
N/A 800fr Long-eared Owl, *Asio otus* Strigidae
N/A 800fr Great Horned Owl, *Bubo virginianus* Strigidae
N/A 800fr Little Owl, *Athene noctua* Strigidae
N/A 3300fr SS Tawny Owl, *Strix aluco* Strigidae
In margin: Barn Owl, *Tyto alba* Tytonidae

2020, November 30 (Bee-Eaters) Set/4, SS/1 A*

N/A 800fr Red-throated Bee-eater, *Merops bulocki* Meropidae
N/A 800fr Red-bearded Bee-eater, *Nyctyornis amictus* Meropidae
N/A 800fr White-fronted Bee-eater, *Merops bullockoides* Meropidae
N/A 800fr Southern Carmine Bee-eater, *Merops nubicoides* Meropidae
N/A 3300fr SS European Bee-eater, *Merops apiaster* Meropidae
In margin: Red-throated Bee-eater, *Merops bulocki* (UR) Meropidae
Rainbow Bee-eater, *Merops ornatus* (CRT) Meropidae
Green Bee-eater, *Merops orientalis* (CL) Meropidae

2020, December 30 (Buzzards) Set/6, SS/2 A*

N/A 330fr European Honey-Buzzard, *Pernis apivorus* Accipitridae
(also 660f & 990f values) values)
N/A 330fr Long-legged Buzzard, *Buteo rufinus* Accipitridae
(also 660f & 990f values)
N/A 1300fr SS European Honey-Buzzard, *Pernis apivorus* (top stamp) Accipitridae
N/A 2600fr SS Long-legged Buzzard, *Buteo rufinus* (bot. stamp) Accipitridae
In margin: Common Buzzard, *Buteo buteo* (on right of two stamps) Accipitridae

2020, December 30 (Crakes) Set/6, SS/2 A*

N/A 330fr Black Crake, *Zapornia flavirostra* Rallidae
(also 660f & 990f values)
N/A 330fr Spotted Crake, *Porzana porzan*a Rallidae
(also 660f & 990f values)
N/A 1300fr SS Black Crake, *Zapornia flavirostra* (top stamp) Rallidae
N/A 2600fr SS Spotted Crake, *Porzana porzana* (bot. stamp) Rallidae
In margin: Baillon's Crake, *Zapornia pusilla* Rallidae

CHILE **2019, October 29** (Pressident Frei Antarctic Air Base 50y) Set/4 B*

1672 1000p Gentoo Penguin, *Pygoscelis papua* Spheniscidae

CHINA (Peoples' Republic) **2020, October 18** (Chagan Lake) Set/3 C*

4760 $1.20 Red-crowned Crane, *Grus japonensis* Gruidae
Graylag Geese, *Anser anser* Anatidae

CHINA (TAIWAN) **2020, December 8** (Bird Conservation) Set/4 A*

4571 $8.00 Black-winged Kite, *Elanus caeruleus* Accipitridae
4572 $8.00 Peregrine Falcon, *Falco peregrinus* Falconidae
4573 $10.00 Crested Goshawk, *Accipiter trivirgatus* Accipitridae
4574 $28.00 Osprey, *Pandion haliaetus* Pandionidae

2021, January 20 (South Penghu Marine National Park) Set/4 B*

4577 $9.00 Great Crested Tern, *Thalasseus bergii* Laridae

COLOMBIA **2020, October, 29** (Department type of 2003 – Bolivar) Set/12 A*

1552j 1,000p Blue-billed Curassow, *Crax alberti* Cracidae

2020, October 30 (National Parks) Set/10 A*

1554 5,000p Harpy Eagle, *Harpia harpyja* Accipitridae

COOK ISLANDS **2020, May 8** Birds of the World-Kingfishers) Set/4 white frames A*

1670 $2.50 Yellow-billed Kingfisher, *Syma torotoro* Alcedinidae
1674a $2.50 Same species, w/o white frames
1671 $3.00 Common Kingfisher, *Alcedo atthis* Alcedinidae
1674b $3.00 Same species, w/o white frames
1672 $4.00 Blue-winged Kookaburra, *Dacelo leachii* Alcedinidae
1674c $4.00 Same species, w/o white frames
1673 $6.00 Collared Kingfisher, *Todiramphus chloris* Alcedinidae
1674d $6.00 Same species, w/o white frames

2020, December 29 (Scott #1584-86 surcharged) A*

1690 70c on $1.70 Bristle-thighed Curlew, *Numenius tahitiensis* Scolopacidae
1691 $5.30 on $1.60 Same species
1692 $8.50 on $2.40 Same Species

DJIBOUTI **2020, June 12** (Owls) Set/4, SS/1 A*

N/A 250fr Barn Owl, *Tyto alba* Tytonidae
N/A 250fr Great Horned Owl, *Bubo virginianus* Strigidae
N/A 250fr Barred Owl, *Strix varia* Strigidae
N/A 250fr Tawny Owl, *Strix aluco* Strigidae
N/A 1000fr SS Snowy Owl, *Bubo scandiacus* Strigidae
In margin: Little Owl, *Athene noctua* Strigidae
Long eared Owl, *Asio otus* Strigidae

2020, July 27 (Raptors) Set/4, SS/1 A*

N/A 250fr Tawny Eagle, *Aquila rapax* Accipitridae
N/A 250fr Jackal Buzzard, *Buteo rufofuscus* Accipitridae
N/A 250fr Eurasian Marsh-Harrier, *Circus aeruginosus* Accipitridae
N/A 250fr Pale Chanting-Goshawk, *Melierax canorus* Accipitridae
N/A 1000fr SS Red Kite, *Milvus milvus* Accipitridae
In margin: Bateleur, *Terathopius ecaudatus* Accipitridae

2020, July 27 (Flying Dinosaurs) Set/4, SS/1 A*

N/A 250fr Pterosaur —unidentified
N/A 250fr Pterosaur, †*Peteinosaurus zambelli* †Dimorphodontidae
N/A 250fr Pterosaur, †*Quetzalcoatius northropi* †Azhdarchildae
N/A 250fr Pterosaur. †*Pteranodon longipes* †Pteranodontoides
N/A 1000fr SS Pterosaur, †*Ornithocephalus banthensis* †Rhamphornynchidae
In margin: Pterosaur, †*Quetzalcoatius northropi* (LL) †Azhdarchildae
Pterosaur, †*Pteranodon longipes* (LR) †Pteranodontoides
Pterosaur, †*Peteinosaurus zambell*i (UR) †Dimorphodontidae

2020, July 27 (Bee-Eaters) Set/4, SS/1 A*

N/A 250fr Blue-tailed Bee-eater, *Merops philippinus* Meropidae
N/A 250fr Green Bee-eater, *Merops orientalis* Meropidae

DJIBOUTI (continued)

N/A	250fr	Red-throated Bee-eater, *Merops bulocki*	Meropidae	
N/A	250fr	Southern Carmine Bee-eater, *Merops nubicoides*	Meropidae	
N/A	1000fr	SS Rainbow Bee-eater, *Merops ornatus*	Meropidae	
		In margin: Blue-throated Bee-eater, *Merops viridis* (UR)	Meropidae	
		European Bee-eater, *Merops apiaster* (3 on branch)	Meropidae	
		2020, July 27 (Warblers) Set/4, SS/1		A*
N/A	250fr	Wood Warbler, *Phylloscopus sibilatrix*	Phylloscopidae	
N/A	250fr	Yellow Warbler, *Setopaga petechia*	Parulidae	
N/A	250fr	Green Reed Warbler, *Acrocephalus arundinaceus*	Acrocephalidae	
N/A	250fr	Booted Warbler, *Iduna caligata* V70(1)	Acrocephalidae	
		(Previously shown on a 1982 Eynhollow issue)		
N/A	1000fr	SS Eurasian Blackcap, *Sylvia atricapilla*	Sylviidae	
		In margin: Savi's Warbler, *Locustella luscinioides*	Acrocephalidae	
		2020, November 25 (Extinct Species) Set/4, SS/1		A*
N/A	250fr	Carolina Parakeet, †*Conuropsis carolinensis*	Psittacidae	
N/A	1000fr	SS Dodo, †*Raphus cucullatus*	Columbidae	
		2020, November 25 (Aquatic Birds) Set/4, SS/1		A*
N/A	250fr	African Jacana, *Actophilornis africanus*	Jacanidae	
N/A	250fr	Glossy Ibis, *Plegadis falcinellus*	Threskiornithidae	
N/A	250fr	Great Cormorant, *Phalacrocorax carbo*	Phalacrocoracidae	
N/A	50fr	Eurasian Spoonbill, *Platalea leucorodia*	Threskiornithidae	
N/A	1000fr	SS Terek Sandpiper, *Xenus cinereus*	Scolopacidae	
		In margin: Mute Swan, *Cygnus olor* (Ctr. Bot.)	Anatidae	
		Wood Sandpiper, *Tringa glareola* (UL)	Scolopacidae	
		Black-legged Kittiwake, *Rissa tridactyla* (UR)	Laridae	
		2020, November 25 (Kingfishers) Set/4, SS/1		A*
N/A	250fr	Belted Kingfisher, *Megaceryle alcyon*	Alcedinidae	
N/A	250fr	Green Kingfisher, *Chloroceryle americana*	Alcedinidae	
N/A	250fr	Blue-eared Kingfisher, *Alcedo meninting*	Alcedinidae	
N/A	250fr	Malachite Kingfisher, *Corythornis cristatus*	Alcedinidae	
N/A	1000fr	SS Collared Kingfisher, *Todiramphus chloris*	Alcedinidae	
		In margin: White-throated Kingfisher, *Halcyon smyrnensis* (UR)	Alcedinidae	
		Pied Kingfisher, *Ceryle rudis* (UL)	Alcedinidae	
		Common Kingfisher, *Alcedo atthis* (LR)	Alcedinidae	
		Laughing Kookaburra, *Dacelo novaeguineae*	Alcedinidae	
		2020, December 30 (Owls) Set/4, SS/1		A*
N/A	250fr	Snowy Owl, *Bubo scandiacus*	Strigidae	
N/A	250fr	Ferruginous Pygmy-Owl, *Glaucidium brasilianum*	Strigidae	
N/A	250fr	Barn Owl, *Tyto alba*	Tytonidae	
N/A	250fr	Great Gray Owl, *Strix nebulosa*	Strigidae	
N/A	250fr	SS Snowy Owl, *Bubo scandiacus*	Strigidae	
		Label: Eurasian Eagle-Owl, *Bubo bubo*	Strigidae	
N/A	250fr	SS Ferruginous Pygmy-Owl, *Glaucidium brasilianum*	Strigidae	
N/A	250fr	SS Barn Owl, *Tyto alba*	Tytonidae	

DJIBOUTI (continued)

	Label: Long-eared Owl, *Asio otus*		Strigidae	
N/A	250fr SS	Great Gray Owl, *Strix nebulosa*	Strigidae	
		2020, March 1 (Raptors) Set/4, SS/1		A*
N/A	250fr	Montagu's Harrier, *Circus pygargus*	Accipitridae	
N/A	250fr	Short-toed Snake-Eagle, *Circaetus gallicus*	Accipitridae	
N/A	250fr	Red Kite, *Milvus milvus*	Accipitridae	
N/A	250fr	Rough-legged Hawk, *Buteo lagopus*	Accipitridae	
N/A	1000fr SS	Northern Harrier, *Circus hudsonius*	Accipitridae	
	In margin: Tawny Owl, Strix aluco		Strigidae	
		2020, March 1 (Parakeets) Set/4, SS/1		A*
N/A	250fr	Purple-naped Lory, *Lorius domicella*	Psittaculidae	
N/A	250fr	Gray-headed Lovebird, *Agapornis canus*	Psittaculidae	
N/A	250fr	Rosy-faced Lovebird, *Agapornis roseicollis*	Psittaculidae	
N/A	250fr	White Cockatoo, *Cacatua alba*	Cacatuidae	
N/A	1000fr SS	Galah, *Eolophus roseicapilla*	Cacatuidae	
	In margin: Scarlet-chested Parrot, *Neophema splendida*		Psittaculidae	
		2020, May 20 (Bee-Eaters) Set/4, SS/1		A*
N/A	250fr	Red-headed Bee-eater, *Nyctyornis amictus*	Meropidae	
N/A	250fr	Southern Carmine Bee-eater, *Merops nubicoides*	Meropidae	
N/A	250fr	Rainbow Bee-eater, *Merops ornatus*	Meropidae	
N/A	250fr	Chestnut-headed Bee-eater, *Merops leschenaulti*	Meropidae	
N/A	1000fr SS	Blue-cheeked Bee-eater, *Merops persicus*	Meropidae	
	In margin: European Bee-eater, *Merops apiaster* (UR)		Meropidae	
		White-fronted Bee-eater, *Merops bullockoides* (LL)	Meropidae	
		2020, May 20 (Lighthouses) Set/4, SS/1		A*
N/A	250fr	American Herring Gull, *Larus smithsonianus*	Laridae	
N/A	250fr	Pacific Gull, *Larus pacificus*	Laridae	
N/A	250fr	Swallow-tailed Gull, *Creagrus furcatus*	Laridae	
N/A	250fr	Ring-billed Gull, *Larus delawarensis*	Laridae	
N/A	1000fr SS	American Herring Gull, *Larus smithsonianus*	Laridae	
	In margin: Great Black-backed Gull, *Larus marinus*		Laridae	
		2020, May 20 (Pigeons) Set/4, SS/1		A*
N/A	250fr	Rock Pigeon, *Columba livia*	Columbidae	
N/A	250fr	Rock Pigeon, Columba livia domestica	Columbidae	
N/A	250fr	Band-tailed Pigeon, *Patagioenas fasciata*	Columbidae	
N/A	250fr	Common Wood-Pigeon, *Columba palumbus*	Columbidae	
N/A	1000fr SS	Rameron Pigeon, *Columba arquartrix*	Columbidae	
	In margin: Common Wood-Pigeon, *Columba palumbus* (LL)		Columbidae	

Casque Polonais, or Polish Helmet or Kryska Polska, a breed of a fancy racing pigeon. (RS of sheet)

FALKLAND ISLANDS 2020, September 7 (Falkland Islands Philatelic Study Group, 50y) Set/4 B*

1274	78p	King Penguin, *Aptenodytes patagonicus* (Sc#74)	Spheniscidae	
1275	£1.04	Upland Goose, *Chloephaga picta* (Sc#94a)`	Anatidae	

FAROE ISLANDS **2020, April 16** (Queen Margrethe II, 80th Birthday) Single B*
"Bird Song & Animal Language She Was Able To Understand", by Edward Fuglo, featuring sixteen different bird species, arranged top to bottom, left side of stamp.

752	50k	Eurasian Oystercatcher, *Haematopus ostralegus*	Haematopodidae
		European Shag, *Plalacrocorax aristotelis*	Phalacrocoracidae
		Great Skua, *Stercorarius skua*	Stercorariidae
		Razorbill, *Alca torda*	Alcidae
		Northern Fulmar, *Fulmarus glacialoides*	Procellariidae
		Common Eider, *Somateria mollissima*	Anatidae
		Lesser Black-backed Gull, *Larus fuscus*	Laridae
		Black Guillemot, *Cepphus grylle*	Alcidae
		Atlantic Puffin, *Fratercula arctica*	Alcidae
		Arctic Tern, *Sterna paradisaea*	Laridae
		Northern Gannet, *Morus bassanus*	Sulidae
		Common Murre, *Uria aalge*	Alcidae
		Hooded Crow, *Corvus cornix*	Corvidae
		Northern Raven, *Corvus corax*	Corvidae
		Common Starling, *Sturnus vulgaris*	Sturnidae
		Whimbrel, *Numenius phaeopus*	Scolopacidae

2021, April 26 (Europa) Set/2 A*

784	17k	Atlantic Puffin, *Fratercula arctica* (Head)	Alcidae
785	27k	Same species, three on a rock	Alcidae

A booklet, SA contains the same two stamps.

GAMBIA **2018, January 4** (Hamerkop) Set/4, SS/1 A*

3770a	65d	Hamerkop, *Scopus umbretta* (facing left)	Scopidae
3770b	75d	Same species, facing right	Scopidae
3770c	85d	Same species, facing left	Scopidae
3770d	95d	Same species, facing right	Scopidae
3771a	125d	SS Same species, head photo	Scopidae
3771b	125d	SS Same species, full bird photo	Scopidae

2018, March 27 (Birds of Gambia) Set/4, SS/1 A*

3776a	85d	Goliath Heron, *Ardea goliath*	Ardeidae
3776b	85d	Greater Flamingo, *Phoenicopterus roseus*	Phoenicopteridae
3776c	85d	Glossy Ibis, *Plegadis falcinellus*	Threskiornithidae
3776d	85d	Little Grebe, *Tachybaptus ruficollis*	Podicipedidae
3777a	85d	SS Yellow-billed Stork, *Mycteria ibis*	Ciconiidae
3777b	85d	SS Egyptian Goose, *Alopochen aegyptiaca*	Anatidae
3777c	85d	SS Pied Kingfisher, *Ceryle rudis*	Alcedinidae

2018, April 23 (Birds of Prey) Set/4, SS/1 A*

3784a	80d	Palm-nut Vulture, *Gypohierax angolensis*	Accipitridae
3784b	90d	Tawny Eagle, *Aquila rapax*	Accipitridae
3784c	100d	Yellow-billed Kite, *Milvus migrans aegyptius* (ssp)	Accipitridae
3784d	150d	Long-crested Eagle, *Lophaetus occipitalis*	Accipitridae
3785a	100d	SS African Harrier-Hawk, *Polyboroides typus*	Accipitridae

GAMBIA (continued)

3785b 125d SS Bateleur, *Terathopius ecaudatus* Accipitridae
3785c 150d SS Common Buzzard, *Buteo buteo* Accipitridae

2018, December 31 (Eagles of Africa) Set/6 A*

3825a 55d African Fish-Eagle, *Haliaeetus vocifer* Accipitridae
3885b 55d Brown Snake-Eagle, *Circaetus cinereus* Accipitridae
3825c 65d African Hawk-Eagle, *Aquila spilogaster* Accipitridae
3825d 65d Booted Eagle, *Hieraaetus pennatus* Accipitridae
3825e 75d Martial Eagle, *Polemaetus bellicosus* Accipitridae
3825f 75d Long-crested Eagle, *Lophaetus occipitalis* Accipitridae

2018, December 31 (Tawny Eagle) Set/4 A*

3826a 90d Tawny Eagle, *Aquila rapax*, head facing left Accipitridae
3826b 95d Same species, in flight right Accipitridae
3826c 100d Same species, on branch, facing left Accipitridae
3826d 125d Same species, upper body, facing right Accipitridae

2019, February 27 (Sunbirds of Africa) Set/6 A*

3832a 45d Beautiful Sunbird, *Cinnyris pulchellus* Nectariniidae
3832b 55d Collared Sunbird, *Hedydipna collaris* Nectariniidae
3832c 65d Scarlet-chested Sunbird, *Chalcomitra senegalensis* Nectariniidae
3832d 75d Orange-breasted Sunbird, *Anthobaphes violacea* Nectariniidae
3832e 85d Mariqua Sunbird, *Cinnyris mariquensis* Nectariniidae
3832f 95d White-breasted Sunbird, *Cinnyris talatala* Nectariniidae
(Stamp has White-bellied Sunbird)
In margin: Collared Sunbird, *Hedydipna collaris* Nectariniidae
3833 250d SS Orange-breasted Sunbird, *Anthobaphes violacea* Nectariniidae

2019, April 4 (Black Stork) Set/6 A*

3836a-f Black Stork, *Ciconia nigra* Ciconiidae
(Values are 50d, 60d, 70d, 80d, 90d, 100d)

2019, April 4 (White Stork) A*

3837a-f 70d White Stork, *Ciconia ciconia* Ciconiidae
3840d 125d SS Same spsecies Ciconiidae

2019, April 4 (Yellow-billed Storks) Set/4 A*

3838a-d Yellow-billed Stork, *Mycteria ibis* (also in margin) Ciconiidae
(a-d values are 50d, 100d, 150d, 200d)

2019, April 4 (Abdim's Stork) Set/4 A*

3839a-d 100d Abdim's Stork, *Ciconia abdimii* (also in the margin) Ciconiidae

2019, April 4 (Saddle-billed Stork) Set/3 A*

3840a 100d Saddle-billed Stork, *Ephippiorhynchus senegalensis* Ciconiidae
(facing right)
3840b 100d Same species, facing left Ciconiidae
3840c 150d Same species, in flight Ciconiidae

2019, June 8 (African Jacana) Set/6 A*

3846a-f African Jacana, *Actophilornis africanus* Jacanidae
(The a-f values are 45, 55, 65, 75, 85 & 95d)
3847 250d SS Same species Jacanidae

GAMBIA (continued)

2020. September 30 (Woodpeckers) Set/4 A*

3881a 100d Fine-spotted Woodpecker, *Campethera punctuligera* Picidae
(Previously shown on a 1982 Staffa local issue)
3881b 100d African Gray Woodpecker, *Chloropicus goertae* Picidae
3881c 100d Same species as 3881a Picidae
3881d 100d Same species as 3881a & 3881c Picidae

2020, September 30 (Turacos) Set/3 A*

3882a 100d Guinea Turaco, *Tauraco persa* Musophagidae
3882b 100d Violet Turaco, *Musophaga violacea* Musophagidae
3882c 200d Same species as 3882b Musophagidae

GUYANA **2020, March 24** (Woodpeckers) Set/8, SS/1 A*

4620a $250 Lewis's Woodpecker, *Melanerpes lewis* Picidae
4620b $250 Pileated Woodpecker, *Dryocopus pileatus* Picidae
4620c $250 Red-bellied Woodpecker, *Melanerpes carolinus* Picidae
4620d $250 Great Spotted Woodpecker, *Dendrocopus major* Picidae
4620e $250 Lewis's Woodpecker, *Melanerpes lewis* Picidae
4620f $250 Pileated Woodpecker, *Dryocopus pileatus* Picidae
4620g $250 Red-bellied Woodpecker, *Melanerpes carolinus* Picidae
4620h $250 Great Spotted Woodpecker, *Dendrocopus major* Picidae
4621 $800 SS Lewis's Woodpecker, *Melanerpes lewis* Picidae
(Cap. as Great Spotted Woodpecker, *Dendrocopus major*)

HONG KONG **2020, August 18** (Hong Kong Theme Park) Set/6 A*

2089 $2.60 Toco Toucan, *Ramphastos toco* Ramphastidae
2093 $5.00 King Penguin, *Aptenodytes patagonicus* Spheniscidae

HUNGARY **2021, May 5** (Endangered Animals) Vert pair A*

4594a 715fo European Stonechat, *Saxicola rubricola* Muscicapidae

INDIA **2020, March 16** (UNESCO World Heritage Sites) Set/5 B*

3214 5r Western Tragopan, *Tragopan melanocephalus* Phasianidae

INDONESIA **2019, November 5** (Flora and Fauna) Set/3 A*

2514b 3000r Rote myzomela, *Myzomela irianawipodoae* V69(1) Meliphagidae

IRAN **2020, February 25** Single A*

3217 18,000r White-headed Duck, *Oxyura leucocephala* Anatidae

ISRAEL **2020, December 15** (Steinhardt Museum of Natural History) Set/3 B*

2272 4.10s Green Bee-eater, *Merops orientalis* Meropidae
Graceful Prinia, *Prinia gracilis* Cisticolidae
(entitled "The Web of Life")
2274 4.10s Black Francolin, *Francolinus francolinus* Phasianidae
(entitled "Caracal and Francolin")

JAPAN **2020, June 19** (Traditional colors) Set/10 A*

4407 Sheet of 10
4407h ¥63 Common Kingfisher, *Alcedo atthis* Alcedinidae

JAPAN (continued)

2020, July 17 (Protection of Historic Sites and Natural Monuments) Set/10 A*

4411 Sheet of 10

4411j ¥84 Oriental Stork, *Ciconia boyciana* Ciconiidae

2020, October 16 (Art Paintings) Set/10 C*

4450 Sheet of 10

4450h ¥84 Mandarin Duck, *Aix galericulata* Anatidae

2020, November 16 (Juvenile Animals) Set/10 A*

4458 Sheet of 10

4458h ¥63 Long-tailed Tit, *Aegithalos caudatus* Aegithalidae

2020, November 16 (Adult and juvenile animals) Set/10 A*

4459 Sheet of 10

4459e ¥84 Emperor Penguin, *Aptenodytes forsteri* w/chick Spheniscidae

4459g ¥84 Indian Spot-billed Duck, *Anas poecilorhyncha* (with ducklings) Anatidae

2020, November 20 (Winter scenes) Set/10 A*

4461 Sheet of 10

4461i ¥84 Ural Owl, *Strix uralensis* Strigidae

4461j ¥84 European Robin, *Erithacus rubecula* Muscicapidae

KAZAKHSTAN **2020, October 21** (flora and fauna of West Altai Nature Reserve) Set/3 A*

932a 500te Eurasian Eagle-Owl, *Bubo bubo* Strigidae

LIBERIA **2019, September 29** (Hornbills) Vert sheet/3, SS/1 A*

3341a $200 Black-casqued Hornbill, *Ceratogymna atrata* Bucerotidae

3341b $300 Black-and-white-casqued Hornbill, *Bycanistes subcylindricus* Bucerotidae

3341c $400 White-crested Hornbill, *Horizocerus albocristatus* Bucerotidae

3342 $800 SS African Gray Hornbill, *Lophoceros nasutus* Bucerotidae

2020, March 26 (Lighthouses) Set/4, SS/1 A*

3408c $300 Black-headed Gull, *Chroicocephalus ridibundus* Laridae

3423a $600 SS Arctic Tern, *Sterna paradisaea* Laridae

3423b $600 SS Parasitic Jaeger, *Stercorarius parasiticus* Stercorariidae

2020, March 26 (Parrots) Set/4, SS/2 A*

3411a $300 Scarlet Macaw, *Ara macao* Psittacidae

3411b $300 Military Macaw, *Ara militaris* Psittacidae

3411c $300 Sun Parakeet, *Aratinga solstitialis* Psittacidae

3411d $300 Monk Parakeet, *Myiopsitta monachus* Psittacidae

Center label: Gray Parrot, *Psittacus erithacus* Psittacidae

3426a $600 SS Budgerigar, *Melopsittacus undulatus* Psittaculidae

3426b $600 SS Galah, *Eolophus roseicapilla* Cacatuidae

In margin: Nanday Parakeet, *Aratinga nenday* (LS) Psittacidae

Cockatiel, *Nymphicus hollandicus* (RS) Cacatuidae

2020, March 26 (Rare Birds I) Set/4, SSS/1 A*

3412a $300 Honduran Emerald, *Amazilia luciae* (UL) Trochilidae

Orange-bellied Parrot, *Neophema chrysogaster* (RS) Psittaculidae

3412b $300 Bali Myna, *Leucopsar rothschildi* Sturnidae

LIBERIA (continued)

3412c $300 Scaly-sided Merganser, *Mergus squamatus* Anatidae
3412d $300 Kakapo, *Strigops habroptila* Strigopidae
In center label: Red-crowned Crane, *Grus japonensis* Gruidae
3427a $600 SS Northern Bald Ibis, *Geronticus eremita* (top stamp) Threskiornithidae
3427b $600 SS South Island Takahe, *Porphyrio hochstetteri* (Bot. stamp) Rallidae
In margin: *Shoebill, Balaeniceps rex* (left of label) Balaenicipitidae
Great Bustard, *Aedeotis nigriceps* (right of label) Otididae

2020, March 26 (Rare Birds II) Set/4, Ss/1 A*

3413a $300 Resplendent Quetzal, *Quetzal pharomachrus mocinno* Trogonidae
3413b $300 Great Curassow, *Crax rubra* Cracidae
3413c $300 Sri Lanka Frogmouth, *Batrachostomus moniliger* V69(3) Podargidae
3413d $300 Mandarin Duck, *Aix galericulata* Anatidae
In central label: Long-tailed Widowbird, *Euplectes progne* Ploceidae
3428a $600 SS Andean Cock-of-the-Rock, *Rupicola peruvianus* (top) Cotingidae
3428b $600 SS Turquoise-browed Motmot, *Eumomota superciliosa* (Bot.) Momotidae
In margin: Hoatzin, *Opisthocomus hoazin* Opisthocomidae

2020, March 26 (Arctic Ocean) Set/4, SS/2 A*

3418a $300 Arctic Tern, *Sterna paradisaea* Laridae
3433a $600 SS Atlantic Puffin, *Fratercula arctica* Alcidae

2020, March 26 (Critically Endangered Species) SS/2 A*

3421a $600 SS Blue-banded Kingfisher, *Alcedo euryzona* Alcedinidae

2020, June 28 (WWF Stamps on Stamps) Set/6, SS/2 A*

3464a $225 Dalmatian Pelican, *Pelecanus crispus* (Romania #3232 s-o-s) Pelecanidae
3464f $225 Eurasian Spoonbill, *Platalea leucorodia* (Romania #4888 s-o-s) Threskiornithidae
3465 $330 SS Eurasian Spoonbill, *Platalea leucorodia* (Romania #4887 s-o-s) Threskiornithidae
3470 $330 SS Dalmatian Pelican, *Pelecanus crispus* (Romania #3233 s-o-s) Pelecanidae

NETHERLANDS **2020, February 24** (Farmland Birds) Set/10 A*

1607a (91c) Western Yellow Wagtail, *Motacilla flava* Motacillidae
1607b (91c) Northern Shoveler, *Spatula clypeata* Anatidae
1607c (91c) Black-tailed Godwit, *Limosa limosa* Scolopacidae
1607d (91c) Eurasian Curlew, *Numenius arquata* Scolopacidae
1607e (91c) European Turtledove, *Streptopelia turtur* Columbidae
Eurasian Skylark, *Alauda arvensis* (upper half in LR) Alaudidae
1607f (91c) Gray Partridge, *Perdix perdix* Phasianidae
1607g (91c) Northern Lapwing, *Vanellus vanellus* Charadriidae
1607h (91c) Little Owl, *Athene noctua* Strigidae
1607i (91c) Common Redshank, *Tringa tetanus* Scolopacidae
1607j (91c) Eurasian Skylark, *Alauda arvensis* (Lower half of bird) Alaudidae

2020, June 15 (Coastal Birds) Set/10 A*

1612a (91c) Little Tern, *Sternula albifrons* Laridae
1612b (91c) Parasitic Jaeger, *Stercorarius parasiticus* Stercorariidae
1612c (91c) Ruddy Turnstone, *Arenaria interpres* Scolopacidae
1612d (91c) Snow Bunting, *Plectrophenax nivalis* Calcariidae

NETHERLANDS (continued)

1612e	(91c)	Black-legged Kittiwake, *Rissa tridactyla*	Laridae
1612f	(91c)	Great Black-headed Gull, *Larus marinus*	Laridae
1612g	(91c)	Horned Lark, *Eremophila alpestris*	Alaudidae
1612h	(91c)	Pied Avocet, *Recurvirostra avosetta*	Recurvirostridae
1612i	(91c)	Purple Sandpiper, *Calidris maritima*	Scolopacidae
1612j	(91c)	Kentish Plover, *Charadrius alexandrines*	Charadriidae

2020, September 14 (Forest and Heathland Birds) Set/10 A*

1614a	(91c)	Common Raven, *Corvus corax*	Corvidae
1614b	(91c)	Coal Tit, *Periparus ate*r	Paridae
1614c	(91c)	Brambling, *Fringilla montifringilla*	Fringillidae
1614d	(91c)	Great Spotted Woodpecker, *Dendrocopos major*	Picidae
1614e	(91c)	Common Redstart, *Phoenicurus phoenicuru*s	Muscicapidae
1614f	(91c)	Spotted Flycatcher, *Muscicapa striata*	Muscicapidae
1614g	(91c)	Great Gray Shrike, *Lanius excubitor*	Laniidae
1614h	(91c)	Black Grouse, *Lyrurus tetrix*	Phasianidae
1614i	(91c)	Eurasian Wryneck, *Jynx torquilla*	Picidae
1614j	(91c)	Willow Tit, *Poecile montanu*s	Paridae

PENRHYN **2020, May 8** (Birds of the World-Birds of Paradise - white frames) Set/4 A*

623	$2.50	Brown Sicklebird, *Epimachus meyeri*	Paradisaeidae
627a	$2.50	Same species, w/o white frames	Paradisaeidae
624	$3.00	Twelve-wired Bird-of-Paradise, *Seleucidis melanoleucus*	Paradisaeidae
627b	$3.00	Same species, w/o white frames	Paradisaeidae
625	$4.00	Lesser Bird-of-Paradise, *Paradisaea minor*	Paradisaeidae
627c	$4.00	Same species, w/o white frames	Paradisaeidae
626	$6.00	Magnificent Bird-of-Paradise, *Ptiloris magnificus*	Paradisaeidae
627d	$6.00	Same species, w/o white frames	
627e	SS of 4, #627a-627d		

627a-d available as block of 4 or vertical strip of 4.

2020, May 20 (Birds of the World-Flamingos; with white frames) A*

628	$5.50	American Flamingo, *Phoenicopterus ruber* (white frame)	Phoenicopteridae
632a	$5.50	Same species, w/o white frames	Phoenicopteridae
629	$6.70	Chilean flamingo, *Phoenicopterus chilensis* (white frames)	Phoenicopteridae
632b	$6.70	Same species, w/o white frames	Phoenicopteridae
630	$22.40	Greater Flamingo, *Phoenicopterus roseus* (white frames)	Phoenicopteridae
632c	$22.40	Same species, w/o white frames	Phoenicopteridae
631	$29.90	Andean Flamingo, P*hoenicoparrus andinus* (white frames)	Phoenicopteridae
632d	$29.90	Same species, w/o white frames	Phoenicopteridae
632e	SS of 4, Sc#632a-632d		

POLAND **2020, November 30** Set/4 A*

4522a	3,30z	White Stork, *Ciconia ciconia*	Ciconiidae
4522b	3,30z	Black Stork, *Ciconia nigra*	Ciconiidae
4522c	3,30z	Great Egret, *Ardea alba*	Ardeidae
4522d	3,30z	Gray Heron, *Ardea cinerea*	Ardeidae

PORTUGAL

Azores **2019, May 9** (Europa) Set/2, SS/2 A*

603 €0.86 Goldcrest, *Regulus regulus* Regulidae
604 Souvenir sheet of 2, #603, 604a
604a €0.86 SS Fieldfare, *Turdus pilaris* (Both of these two) Turdidae

Madeira **2019, May 9** (Europa) Set/2, SS/2 A*

373 €0.86 Island Canary, *Serinus canaria* Fringillidae
374 Souvenir sheet of 2, #373, 374a
374a €0.86 SS European Goldfinch, *Carduelis carduelis* Fringillidae

ROMANIA **2020, August 12** (Owls) Set/4 + label A*

6455 1.90l Eurasian Pygmy-Owl, *Glaucidium passerinum* Strigidae
6455a Sheet of 5 + label
6456 3.30l Little Owl, *Athene noctua* Strigidae
6456a Sheet of 5 + label
6457 5l Burrowing Owl, *Athene cunicularia* Strigidae
6457a Sheet of 5 + label
6458 19l Papuan Boobook, *Ninox theomacha* New Strigidae
6458a Sheet of 5 + label

2020, September 1 (Swans) Set/4 A*

6465 3.30l Mute Swan, *Cygnus olor* (crossed necks) Anatidae
6465a Sheet of 4
6466 5l Same species, taking off from water Anatidae
6466a Sheet of 4
6467 8.50l Same species, taking off from water Anatidae
6467a Sheet of 4
6468 10.50l Same species, head only, looking left Anatidae
6468a Sheet of 4

ST. MARTIN **2020, July 1** (Birds of Prey) Vert strip/6 A*

192a 100c Black-winged Kite, *Elanus caeruleus* Accipitridae
192c 100c Red Kite, *Milvus milvus* Accipitridae
192c 100c Red-footed Falcon, *Falco vespertinus* Falconidae
192d 100c Bonelli's Eagle, *Aquila fasciata* Accipitridae
192e 100c Rough-legged Hawk, *Buteo lagopus* Accipitridae
(Stamp has Rough-legged Buzzard)
192f 100c Imperial Eagle, *Aquila heliaca* Accipitridae

ST. PIERRE & MIQUELON **2020, January 20** (Single) A*

A1087 €1.16 Greater Yellowlegs, *Tringa melanoleuca* Scolopacidae

2021, January 12 (Single) A*

1100 €0.60 Purple Sandpiper, *Calidris maritima* Scolopacidae

ST. THOMAS & PRINCE ISLANDS **2017, May 8** (Stamps on Stamps) Set/4 A*

3301 31,000db St. Lucia Parrot, *Amazona versicolor* (St. Lucia #902 s-o-s) Psittacidae

ST. THOMAS & PRINCE (continued)

		2019, July 20 (Owls) Set/4, SS/1		A*
3384a	31,000db	African Barred Owlet, *Glaucidium capense*	Strigidae	
3384b	31,000db	Northern White-faced Owl, *Ptilopsis leucotis*	Strigidae	
3384c	31,000db	Great Gray Owl, *Strix nebulosa*	Strigidae	
3384d	31,000db	Rufous Fishing-Owl, *Scotopelia ussheri*	Strigidae	
3402	124,000db	SS Marsh Owl, *Asio capensis*	Strigidae	
		2020, November 30 (Kingfishers) Set/4, SS/1		A*
N/A	31,00db	Common Kingfisher, *Alcedo atthis*	Alcedinidae	
N/A	31,00db	Pied Kingfisher, *Ceryle rudis*	Alcedinidae	
N/A	31,00db	White-throated Kingfisher, *Halcyon smyrnensis*	Alcedinidae	
N/A	31,00db	Green Kingfisher, *Chloroceryle americana*	Alcedinidae	
N/A	124,00db	SS Woodland Kingfisher, *Halcyon senegalensis*	Alcedinidae	
		In margin: Banded Kingfisher, *Lacedo pulchella* (Ul)	Alcedinidae	
		Black-backed Kingfisher, *Ceyx erithaca* (LR)	Alcedinidae	
		Common Kingfisher, *Alcedo atthis*	Alcedinidae	
		2020, November 30 (Tropicbirds) Set/4, SS/1		A*
N/A	31,00db	Red-billed Tropicbird, *Phaethon aethereus*	Phaethontidae	
N/A	31,00db	White-tailed Tropicbird, *Phaethon lepturus*	Phaethontidae	
N/A	31,00db	Red-tailed Tropicbird, *Phaethon rubricauda*	Phaethontidae	
N/A	31,00db	White-tailed Tropicbird, *Phaethon lepturus*	Phaethontidae	
N/A	124,00db	SS Red-billed Tropicbird, *Phaethon aethereus*	Phaethontidae	
		In margin: Red-tailed Tropicbird, *Phaethon rubricauda*	Phaethontidae	
		2020, November 30 (Gray Parrot) Set/4, SS/1		A*
N/A	31,00db	Gray Parrot, *Psittacus erithacus* (Two on branch, facing each other)	Psittacidae	
N/A	31,00db	Same species, preening itself	Psittacidae	
N/A	31,00db	Same species, on branch, facing left	Psittacidae	
N/A	31,00db	Same species, two on branch, facing each other	Psittacidae	
N/A	124,00db	SS Same species, and also in the margin	Psittacidae	
		2021, January 22 (São Tomé Grossbeak) Set/4, SS/1		A*
a-d	31,00db	São Tomé Grosbeak, *Crithagra concolor* (Stamps have genus of *Nesospiza*)	Fringillidae	
N/A	124,00db	SS (Same species on the stamp and in the margin)		
		2021, January 22 (Endangered animals) Set/4		A*
N/A	31,00db	Blue-throated Macaw, *Ara glaucogularis*	Psittacidae	
		2021, January 22 (Extinct Birds) Set/4, SS/1		A*
N/A	31,00db	Passenger Pigeon, †*Ectopistes migratorius*	Columbidae	
N/A	31,00db	Great Auk, †*Pinginus impennis*	Alcidae	
N/A	31,00db	Labrador Duck, †*Camptorhynchus labradorius*	Anatidae	
N/A	31,00db	Norfolk Island Kaka, †*Nestor productus*	Strigidae	
N/A	124,00db	SS Carolina Parakeet, †*Conuropsis carolinensis*	Psittacidae	
		2021, January 22 (Bee-Eaters) Set/4, SsS/1		A*
N/A	31,00db	Red-throated Bee-eater, *Merops bulocki*	Meropidae	

ST. THOMAS & PRINCE (continued)

N/A	31,00db	Southern Carmine Bee-eater, *Merops nubicoides*	Meropidae
N/A	31,00db	Blue-throated Bee-eater, *Merops viridis*	Meropidae
N/A	31,00db	Little Bee-eater, *Merops pusillus*	Meropidae
N/A	124,00db	SS European Bee-eater, *Merops apiaster*	Meropidae
	In margin: Green Bee-eater, *Merops orientalis*		Meropidae

2021, June 25 (Raptors) Set//4, SS/1 A*

N/A	31,00db	Gyrfalcon, *Falco rusticolus*	Falconidae
N/A	31,00db	Peregrine Falcon, *Falco peregrinus*	Falconidae
N/A	31,00db	Greater Spotted Eagle, *Clanga clanga*	Accipitridae
N/A	31,00db	Lesser Kestrel, *Falco naumanni*	Falconidae
N/A	124,00db	SS Gyrfalcon, *Falco rusticolus*	Falconidae
	In margin: Golden Eagle, *Aquila chrysaetos* (LL)		Accipitridae
		European Honey-buzzard, *Pernis apivorus* (2 on RS)	Accipitridae

2021, June 25 (Owls) Set/4, SS/1 A*

N/A	31,00db	Tawny Owl, *Strix aluco*	Strigidae
N/A	31,00db	Same species (looking left)	Strigidae
N/A	31,00db	Eurasian Eagle-Owl, *Bubo bubo*	Strigidae
N/A	31,00db	European Scops-Owl, *Otus scops*	Strigidae
N/A	124,00db	SS Northern Hawk Owl, *Surnia ulula*	Strigidae
	In margin: Boreal Owl, *Aegolius funereus*		Strigidae

2021, June 25 (Sea Birds) Set/4, SS/1 A*

N/A	31,00db	Western Gull, *Larus occidentalis* (UL)	Laridae
		California Gull, *Larus californicus* (LR)	Laridae
N/A	31,00db	Guadalupe Murrelet, *Synthiboramphus hypoleucus*	Alcidae
N/A	31,00db	Steller's Sea-Eagle, *Haliaeetus pelagicus*	Accipitridae
N/A	31,00db	Yellow-billed Loon, *Gavia adamsii*	Gaviidae
N/A	124,00db	SS Common Eider, *Somateria mollissima* (LL)	Anatidae
	In margin: Pallas's Cormorant, *Phalacrocorax perspicillatus* (EXT)		Phalacrocoracidae

2021, June 25 (Kingfishers) Seet/4, SS/1 A*

N/A	31,00db	Spangled Kookaburra, *Dacelo tyro* V70(3)	Alcedinidae
N/A	31,00db	Crested Kingfisher, *Megaceryle lugubris*	Alcedinidae
N/A	31,00db	Blue-winged Kookaburra, *Dacelo leachi*i	Alcedinidae
N/A	31,00db	Sacred Kingfisher, *Todiramphus sanctus*	Alcedinidae
N/A	124,00db	SS Woodland Kingfisher, *Halcyon senegalensis*	Alcedinidae
	In margin: African Dwarf Kingfisher, *Ispidina lecontei* (LL)		Alcedinidae
		Green Kingfisher, *Chloroceryle americana* (RS ♂&♀)	Alcedinidae

ST. VINCENT GRENADINES **2020, March 5** (Black Vulture) Set/4. SS/1 A*

4184a	$2.00	Black Vulture, *Coragyps atratus* (facing left)	Cathartidae
4184b	$3.00	Same species, looking right	
4184c	$4.00	Same species, on branch	
4184d	$5.00	Same species, head only, looking left	
4185	$14.00 SS	Same species, vertical format, looking left	

SALVADOR, EL **2019, December 17** Single A*

1812 5c Turquoise-browed Motmot, *Eumomota superciliosa* Momotidae

SAUDI ARABIA **2020, August 17** (Falcons) SS/3 A*

1477 Souvenir sheet of 3

1477a 3r Peregrine Falcon, *Falco peregrinus* Falconidae

1477b 3r Saker Falcon, *Falco cherrug* Falconidae

1477c 3r Gyrfalcon, *Falco rusticolus* Falconidae

SS 5r Lanner Falcon, *Falco biarmicus* Falconidae

SIERRA LEONE **2018, June 29** (Flying Dinosaurs) Set/4, SS/1 A*

4841a 9800le Pterosaur, †*Dimorphodon macronyx* †Dimorphodontidae
(Relied on only frantic short flights)

4841b 9800le Pterosaur, †*Quetzalcoatlus northropi* †Azhdarchidae
(Scientific name: Mexican Feathered God)

4841c 9800le Pterosaur, †*Peteinosaurus zambelli* †Dimorphodontidae

4841d 9800le Pterosaur (Generic name only)

4861 40000le SS Pterosaur †*Pteranodon longiceps* †Pteranodontidae

2018, November 15 Set/17 A*

5029 500le White Dove, *Streptopelia risoria* Columbidae

5030 500le Vieillot's Weaver, *Ploceus nigerrimus* Ploceidae

5031 1000le African Green Pigeon, *Treron calvus* Columbidae

5035 5000le Rock Pigeon, *Columba livia* Columbidae

5037 9500le Northern White-faced Owl, *Ptilopsis leucotis* Strigidae

5038 10000le Speckled Pigeon, *Columba guinea* Columbidae

5040 10500le Military Macaw, *Ara militaris* Psittacidae

5041 11500le Hyacinth Macaw, *Anodorhynchus hyacinthinus* Psittacidae

5042 12500le Scarlet Macaw, *Ara macao* Psittacidae

2020, February 27 (Kingfishers) Set/4, SS/1 A*

N/A 12,500le White-throated Kingfisher, *Halcyon smyrnensis* Alcedinidae

N/A 12,500le Belted Kingfisher, *Megaceryle alcyo*n Alcedinidae

N/A 12,500le Green Kingfisher, *Chloroceryle americana* Alcedinidae

N/A 12,500le Crested Kingfisher, *Megaceryle lugubris* Alcedinidae

N/A 50,000le SS Ringed Kingfisher, *Megaceryle torquata* Alcedinidae

In margin: White-throated Kingfisher, *Halcyon smyrnensis* (UR & LR) Alcedinidae

Green Kingfisher, *Chloroceryle americana* (LR) Alcedinidae

2020, February 27 (Flying Dinosaurs) Set/4, SS/1 A*

N/A 12,500le Pterosaur, †*Azhdarcho longicollis* †Azhdarchidae

N/A 12,500le Pterosaur, †*Arambourgiania philadelphiae* †Azhdarchidae

N/A 12,500le Pterosaur, †*Quetzalcoatlus northropi* †Azhdarchidae
(Mexican fearthered God per Google write-up)

N/A 12,500le Pterosaur, †*Pedopenna daohugouensis* †Azhdarchidae

N/A 50,000le SS Archosaur, †*Longisquama insignis* †Sharovipterygidae
(Referred to as a gliding reptile, also in margin

In margin: Archosaur, †*Sharovipteryx mirabilis* (UL) †Sharovipterygidae
(Only known delta-winged glider)

SIERRA LEONE (continued)

		2020, March 27 (John James Audubon, 235y) Set/4, SS/1		A*
N/A	12,500le	Golden Eagle, *Aquila chrysaetos*	Accipitridae	
N/A	12,500le	Great Egret, *Ardea alba*	Ardeidae	
N/A	12,500le	American Flamingo, *Phoenicopterus ruber*	Phoenicopteridae	
N/A	12,500le	Wood Stork, *Mycteria americana*	Ciconiidae	
N/A	50,000le SS	Peregrine Falcon, *Falco peregrinus*	Falconidae	
		In margin: Carolina Parakeet, †*Conuropsis carolinensis*	Psittacidae	
		2020, March 27 (Birds of Prey) Set/4, SS/1		A*
N/A	12,500le	American Kestrel, *Falco sparverius*	Falconidae	
N/A	12,500le	Turkey Vulture, *Cathartes aura*	Cathartidae	
N/A	12,500le	Great Horned Owl, *Bubo virginianus*	Strigidae	
N/A	12,500le	Rough-legged Hawk, *Buteo lagopus*	Accipitridae	
N/A	50,000le	SS Cinereous Vulture, *Aegypius monachus*	Accipitridae	
		In margin: European Honey-Buzzard, *Pernis apivorus*	Accipitridae	
		2020, June 12 (Storks) Set/10		A*
N/A	5,000le	Black Stork, *Ciconia nigra*	Ciconiidae	
N/A	5,000le	Woolly-necked Stork, *Ciconia episcopus*	Ciconiidae	
N/A	5,000le	Yellow-billed Stork, *Mycteria ibis*	Ciconiidae	
N/A	5,000le	African Openbill, *Anastomus lamelligerus*	Ciconiidae	
N/A	5,000le	Wood Stork, *Mycteria americana*	Ciconiidae	
N/A	5,000le	White Stork, *Ciconia ciconia*	Ciconiidae	
N/A	5,000le	Saddle-billed Stork, *Ephippiorhynchus senegalensis*	Ciconiidae	
N/A	5,000le	Marabou Stork, *Leptopilos crumenifer*	Ciconiidae	
N/A	5,000le	Painted Stork, *Mycteria leucocephala*	Ciconiidae	
N/A	5,000le	Jabiru, *Jabiru mycteria*	Ciconiidae	
		2020, June 12 (Kea parrots) Set/10		A*
a-j	5,000le	Kea Parrot, *Nestor notabilis*	Strigopidae	
		2020, June 12 (Water Birds) Set/10		A*
N/A	5,000le	Gray Heron, *Ardea cinerea*	Ardeidae	
N/A	5,000le	Black-necked Stork, *Ephippiorhynchus asiaticus*	Ciconiidae	
N/A	5,000le	Reddish Egret, *Egretta rufescens*	Ardeidae	
N/A	5,000le	Great Egret, *Ardea alba*	Ardeidae	
N/A	5,000le	Eurasian Spoonbill, *Platalea leucorodia*	Threskiornithidae	
N/A	5,000le	Agamia Heron, *Agamia agam*i	Ardeidae	
N/A	5,000le	Brown Pelican, *Pelecanus occidentalis*	Pelecanidae	
N/A	5,000le	Silvery Grebe, *Podiceps occipitalis*	Podicipedidae	
N/A	5,000le	Black-winged Stilt, *Himantopus himantopus*	Recurvirostridae	
N/A	5,000le	Hooded Merganser, *Lophodytes cucullatus*	Anatidae	
		2020, June 12 Set/10		A*
N/A	5,000le	Large-tailed Nightjar, *Caprimulgus macrurus* New	Caprimulgidae	
N/A	5,000le	Common Potoo, *Nyctibius griseus*	Nyctibiidae	
		(Stamp has genus of *Chordeiles*)		
N/A	5,000le	Same species		
N/A	5,000le	Standard-winged Nightjar, *Caprimulgus longipennis*	Caprimulgidae	

SIERRA LEONE (continued)

N/A	5,000le	Common Pauraque, *Nyctidromas albicollis*	Caprimulgidae	
N/A	5,000le	Common Potoo, *Nyctibius griseus*	Nyctibiidae	
N/A	5,000le	Eurasian Nightjar, *Caprimulgus europaeus*	Caprimulgidae	
N/A	5,000le	Common Potoo, *Nyctibius griseus*	Nyctibiidae	
N/A	5,000le	Chuck-wills-widow, *Antrostomus carolinensis*	Caprimulgidae	
N/A	5,000le	Starry Owlet-Nightjar, *Aegotheles tatei* New	Aegothelidae	
		2020, July 15 (Birds in Sierra Leone: Old World Parrots) Set/4, SS/1		A*
a-d	14,500le	Rose-ringed Parakeet, *Psittacula krameri*	Psittaculidae	
N/A	58,000le SS	Same species as on the four stamps and in the margin of the SS.		
		2020, July 15 (Birds in Sierra Leone: Eurasian Oystercatcher) Set/4, SS/1		A*
a-d	14,500le	Eurasian Oystercatcher, *Haematopus ostralegus*	Haematopodidae	
N/A	58,000le	Same species as on the sheet of 4 and in margin on SS		
		2020, July 15 (Birds in Sierra Leone:Turacos) Set/4, SS/1		A*
N/A	14,500le	Great Blue Turaco, *Corythaeola cristata*	Musophagidae	
N/A	14,500le	Guinea Turaco, *Tauraco persa*	Musophagidae	
N/A	14,500le	Violet Turaco, *Musophaga violacea*	Musophagidae	
N/A	14,500le	Western Plantain-eater, *Crinifer piscator*	Musophagidae	
N/A	58,000le	SS Guinea Turaco, *Tauraco persa*	Musophagidae	
	In margin: Violet Turaco, *Musophaga violacea*		Musophagidae	
		2020, July 15 (Endangered Birds) Set/4, SS/1		A*
N/A	14,500le	Kagu, *Rhynochetos jubatus*	Rhynochetidae	
N/A	14,500le	Giant Ibis, *Pseudibis gigantea*	Threskiornithidae	
N/A	14,500le	Philippine Eagle, *Pithecophaga jefferyi*	Accipitridae	
N/A	14,500le	Whooping Crane, *Grus americana*	Gruidae	
N/A	58,000le	SS California Condor, *Gymnogyps californianus*	Cathartidae	
		2020, July 15 (Endangered Water Animals) SS/1		A*
N/A	58,000le	Galapagos Penguin, *Spheniscus mendiculus*	Spheniscidae	
		2020, August 31 (Birds in Sierra Leone: Old World Buntings) Set/4		A*
a-d	14,500le	Ortolan Bunting, *Emberiza hortulana*	Emberizidae	
N/A	58,000le	SS Cabanis's Bunting, *Emberiza cabanisi*	Emberizidae	
	In margin: Ortolan Bunting, *Emberiza hortulana*		Emberizidae	
		2020, August 31 (Birds in Sierra Leone: Starlings) Set/4, SS/1		A*
N/A	14,500le	Violet-backed Starling, *Cinnyricinclus leucogaster*	Sturnidae	
N/A	14,500le	Purple Starling, *Lamprotornis purpureus*	Sturnidae	
N/A	14,500le	Long-tailed Glossy-Starling, *Lamprotornis caudatus*	Sturnidae	
N/A	14,500le	Emerald Starling, *Lamprotornis iris*	Sturnidae	
N/A	58,000le	SS Greater Blue-eared Starling, *Lamprotornis chalybaeus*	Sturnidae	
	In margin: Lesser Blue-eared Starling, *Lamprotornis chloropterus*		Sturnidae	

SRI LANKA **2020, March 3** (Endangered Species) Set/20 A*

2242	15r	Serendib Scops-Owl, *Otus thilohoffmanni* V69(2)	Strigidae	

SURINAM **2020, November 4** (Penguins) Set/5 A*

1603a	F ($3.00)	King Penguin, *Aptenodytes patagonicus*	Spheniscidae	
1603b	$26.00	Southern Rockhopper Penguin, *Eudyptes chrysocome*	Spheniscidae	

SURINAM (continued)

1603c	$29.00	Macaroni Penguin, *Eudyptes chrysolophus*	Spheniscidae	
1603d	$30.00	Gentoo Penguin, *Pygoscelis papua*	Spheniscidae	
1603e	$32.00	Magellanic Penguin, *Spheniscus magellanicus*	Spheniscidae	
		2021, February 3 (Penguins) set/6		A*
1623a	$28.00	Fiordland Penguin, *Eudyptes pachyrhynchus*	Spheniscidae	
1623b	$29.00	Snares Penguin, *Eudyptes robustus*	Spheniscidae	
1623c	$30.00	Royal Penguin, *Eudyptes schlegeli*	Spheniscidae	
1623d	$31.00	Erect-crested Penguin, *Eudyptes sclateri*	Spheniscidae	
1623e	$36.00	Little Penguin, *Eudyptula minor*	Spheniscidae	
		(stamp has species of *albosignata*, a ssp)		
1623f	B ($51.00)	Emperor Penguin, *Aptenodytes forsteri*	Spheniscidae	

SWEDEN **2021, January 14** Set/5 C*

2868b	(12kr)	Common Swift, *Apus apus*	Apodidae

SWITZERLAND **2020, September 3** Set/4 B*

1781	100c	White Stork, *Ciconia ciconia* (Birth Announcment)	Ciconiidae
1782	100c	Mute Swan, *Cygnus olor* (Marriage Announcement)	Anatidae
1783	100c	Not identified (Swallow with Sympathy Card)	
1784	100c	Not identified (Songbirds w/Thank You Card)	
		2020, November 12 (Christmas) Set/4	A*
1788	85c	Eurasian Blue Tit, *Cyanistes caeruleus* (UL)	Paridae
		European Robin, *Erithacus rubecula* (UR & CTR)	Muscicapidae

TOGO **2020, October 8** (Predators) Set/4 A*

N/A	800fr	Peregrine Falcon, *Falco peregrinus*	Falconidae
		2020, October 8 (Birds of Togo: Owls) Set/4, SS/1	A*
N/A	800fr	Eurasian Scops-Owl, *Otus scops*	Strigidae
N/A	800fr	Pearl-spotted Owlet, *Glaucidium perlatum*	Strigidae
N/A	800fr	Verraux's Eagle-Owl, *Bubo lacteus*	Strigidae
N/A	800fr	Northern White-faced Owl, *Ptilopsis leucotis*	Strigidae
N/A	3300fr SS	African Wood-Owl, *Strix woodfordii*	Strigidae
		In margin: Barn Owl, *Tyto alba*	Tytonidae
		2020, October 8 (Birds of Togo: Kingfishers) Sete/4, SS/1	A*
N/A	800fr	Gray-headed Kingfisher, *Halcyon leucocephala*	Alcedinidae
N/A	800fr	Malachite Kingfisher, *Corythornis cristatus*	Alcedinidae
N/A	800fr	African Pymgy-Kingfisher, *Ispidina picta*	Alcedinidae
N/A	800fr	Woodland Kingfisher, *Halcyon senegalensis*	Alcedinidae
N/A	3300fr SS	Common Kingfisher, *Alcedo atthis*	Alcedinidae
		In margin: Malachite Kingfisher, *Corythornis cristatus*	Alcedinidae
		2020, October 8 (Birds of Togo: Eagles) Set/4, SS/1	A*
N/A	800fr	Tawny Eagle, *Aquila rapax*	Accipitridae
N/A	800fr	Crowned Eagle, *Stephanoaetus cornatatus*	Accipitridae
N/A	800fr	Beaudouin's Snake-Eagle, *Circaetus beaudouini*	Accipitridae
N/A	800fr	Martial Eagle, *Polemaetus bellicosus*	Accipitridae

TOGO (continued)

N/A	3300fr	SS Booted Eagle, *Hieraaetus pennatus*	Accipitridae	
		In margin: Brown Snake-Eagle, *Circaetus cinereus*	Accipitridae	
		2020, October 8 (Birds of Togo: Le Barbican A Poitrine Rouge) Set/4, SS/1		A*
N/A	800fr	Bearded Barbet, *Lybius dubius*	Lybiidae	
N/A	3300fr	SS Same species and in margin	Lybiidae	
		2020, October 8 (Birds of Togo: Honeyguides) Set/4, SS/1		A*
N/A	800fr	Honeyguide Greenbul, *Baeopogon indicator*	Pycnonotidae	
N/A	800fr	Cassin's Honeyguide, *Prodotiscus insignis*	Indictoridae	
N/A	800fr	Greater Honeyguide, *Indicator indicator*	Indictoridae	
N/A	800fr	Lesser Honeyguide, *Indicator minor*	Indictoridae	
N/A	3300fr	SS Spotted Honeyguide, *Indicator maculatus*	Indictoridae	
		In margin: Wahlberg's Honeyguide, *Prodotiscus regulus*	Indicatoridae	
		2021, March 25 (Owls) Set/4, SS/1		A*
N/A	800fr	Northern Saw-whet Owl, *Aegolius acadicus*	Strigidae	
N/A	800fr	Tawny Owl, *Strix aluco*	Strigidae	
		(Stamp has species of acio)		
N/A	800fr	Great Gray Owl, *Strix nebulosa*	Strigidae	
N/A	800fr	Barred Owl, *Strix varia*	Strigidae	
N/A	3300fr	SS Snowy Owl, *Bubo scandiacus*	Strigidae	
		In margin: Northern Hawk-Owl, *Surnia ulula*	Strigidae	
		2021, March 25 (Raptors) Set/4, SS/1		A*
N/A	800fr	Northern Goshawk, *Accipiter gentilis*	Accipitridae	
N/A	800fr	Peregrine Falcon, *Falco peregrinus*	Falconidae	
N/A	800fr	Red-shouldered Hawk, *Buteo lineatus*	Accipitridae	
N/A	800fr	Broad-winged Hawk, *Buteo platypterus*	Accipitridae	
N/A	3300fr	SS Red-tailed Hawk, *Buteo jamaicensis borealis* (ssp)	Accipitridae	
		In margin: Sharp-shinned Hawk, *Accipiter striatus* (LL)	Accipitridae	
		Cooper's Hawk, *Accipiter cooperii* (UR)	Accipitridae	
		2021, March 25 (Pigeons) Set/4, SS/1		A*
N/A	800fr	Pink-headed Imperial-Pigeon, *Ducula rosacea* (LS) New	Columbidae	
		Beautiful Fruit-Dove, *Ptilinopus pulchellus* (RS)	Columbidae	
N/A	800fr	Little Green-Pigeon, *Treron olax* V70(2)	Columbidae	
N/A	800fr	Wompoo Fruit-Dove, *Ptilinopus magnificus* V70(2)	Columbidae	
		(Previously shown on a Grunay, Scotland local issue)		
N/A	800fr	White-breasted Fruit-Dove, *Ptilinopus rivoli* (LS) V70(2)	Columbidae	
		Brown-Cuckoo-Dove, *Macropygia phasianella* (RS) New	Columbidae	
N/A	3300fr	SS Topknot Pigeon, *Lophollaimus antarcticus*	Columbidae	
		In margin: Superb Fruit-Dove, *Ptilinopus superbus* (UR)	Columbidae	
		Lined Quail-Dove, *Zentrygon linearis* (LL)	Columbidae	
		(Stamp has genus of Geotrygon)		
		2021, March 25 (Aquatic Birds) Set/4, SS/1		A*
N/A	800fr	White-winged Tern, *Chlidonias leucopterus*	Laridae	
N/A	800fr	Green Sandpiper, *Tringa ochropus*	Scolopacidae	
N/A	800fr	Razorbill, *Alca torda*	Alcidae	

TOGO (continued)

N/A	800fr	Pomarine Jaeger, *Stercorarius pomarinus*	Stercorariidae	
N/A	3300fr	SS Purple Sandpiper, *Calidris maritima*	Scolopacidae	
		In margin: Dunlin, *Calidris alpina*	Scolopacidae	
		2021, March 25 (Falconids and Falcons) Set/4		A*
N/A	1650fr	Eurasian Kestrel, *Falco tinnunculus* (LS)	Falconidae	
		Eurasian Hobby, *Falco subbuteo* (RS)	Falconidae	
N/A	1650fr	Peregrine Falcon, *Falco peregrinus* (LS)	Falconidae	
		Dark Chanting-Goshawk, *Melierax metabates* (RS)	Accipitridae	
		In margin: Eurasian Sparrowhawk, *Accipiter nisus* (UR)	Accipitridae	
		2021, March 25 Aquatic Birds) Set/2		A*
N/A	1650fr	Leach's Storm-Petrel, *Oceanodroma leucorhoa* (Top stamp, LS)	Hydrobatidae	
		Pomarine Jaeger, *Stercorarius pomarinus* (UR)	Stercoraridae	
		Graylag Goose, *Anser anser* (LR, head & upper body half)	Anatidae	
N/A	1650fr	Mute Swan, *Cygnus olor* (bottom stamp)	Anatidae	
		In margin: Wandering Albatross, *Diomedea exulans* (UL	Diomedeidae	
		Common Tern, *Sterna hirundo* (CTR left)	Laridae	
		Great White Pelican, *Pelecanus onocrotalus* (LL)	Pelecanidae	
		Whooper Swan, *Cygnus cygnus* (RS)	Anatidae	
		2021, March 25 (Storks, Herons & Flamingos) Set/2		A*
N/A	1650fr	Marabou Stork, *Leptoptilos crumenifer* (head & upper body (LL) on top stamp, lower body on LS on bottom stamp)	Ciconiidae	
		Gray Heron, *Ardea cinerea* (UR on top stamp)	Ardeidae	
		White Stork, *Ciconia ciconia* (head only-LR-top stamp, lower body on bottom stamp)	Ciconiidae	
		In margin: Black Stork, *Ciconia nigra* (CTR-next to two stamps)	Ciconiidae	
		Greater Flamingo, *Phoenicopterus roseus* (RS)	Phoenicopteridae	
		2021, March 25 (Raptors) Set/4		A*
N/A	800fr	Montagu's Harrier, *Circus pygargus* (UL of top stamp)	Accipitridae	
N/A	800fr	Gyrfalcon, *Falco rusticolus* (top right stamp) (also extends to two lower stamps)	Falconidae	
N/A	800fr	Northern Goshawk, *Astur palumbarius* (LL stamp) (Scientific name synonym of *Accipiter gentili*s)	Accipitridae	
N/A	800fr	Osprey, *Pandion haliaetus* (LR stamp)	Pandionidae	
		In margin: Common Buzzard, *Buteo buteo* (stamp has species of *vulgaris* –a ssp)	Accipitridae	
		2021, March 25 (Owls) Set/4		A*
N/A	800fr	Barn Owl, *Tyto alba guttata* (ssp - top left stamp)	Tytonidae	
N/A	800fr	Long-eared Owl, *Asio otus* (top right stamp)	Strigidae	
N/A	800fr	Eurasian Eagle-Owl, *Bubo bubo* (Bot. left stamp) (stamp has species of *maximus*, which is an obsolete)	Strigidae	
N/A	800fr	Tawny Owl, *Strix aluco* (Bot. right stamp)	Strigidae	
		In margin: Little Owl, *Athene noctua* (LR)	Strigidae	

TOGO (continued)

2021, March 25 (Shrikes and Parrots) Set/4 A*

N/A	800fr	Red-backed Shrike, *Lanius collurio* (RS of left stamp)	Laniidae
		Lesser Gray Shrike, *Lanius minor* (straddles 2 left stamps)	Laniidae
N/A	800fr	Great Gray Shrike, *Lanius excubitor* (lower left stamp)	Laniidae
N/A	800fr	Scarlet Macaw, *Ara macao* (UL of right stamp)	Psittacidae
		(also extends to lower right stamp)	
		Red-tailed Black-Cockatoo, *Calyptorhynchus banksii*	Cacatuidae
		(right side of top right stamp)	
N/A	800fr	Alexandrine Parakeet, *Psittacula eupatria*	Psittaculidae
		(on lower stamp on right)	

2021, March 25 (Parrots, Woodpeckers and Ariel Toucan) Set/2 A*

N/A	1650fr	Gray Parrot, *Psittacus erithacus* (LS on left stamp)	Psittacidae
		Ariel Toucan, *Ramphastos vitellinus ariel* (ssp)	Ramphastidae
		(ssp of Channel-billed Toucan, *Ramphastos vitellinus*)	
		(stamp has *Ramphastos ariel*, omitting *vitellinus*)	
N/A	1650fr	Eurasian Green Woodpecker, *Picus viridis*	Picidae
		(bird on LS of right stamp, also has *Gecinus* as genus)	
		Black Woodpecker, *Dryocopus martius* (LR, right stamp)	Picidae
In margin:		Lesser Spotted Woodpecker, *Dryobates minor* (UL on tree)	Picidae
		Greater Spotted Woodpecker, *Dendrocopos major*	Picidae
		(RS on tree trunk-both have genus of *Picus* on stamp)	

2021, March 25 (Pigeons) Set/4 A*

N/A	800fr	Nicobar Pigeon, *Caloenas nicobarica*	Columbidae
		(stamp has genus name of *Columba*)	
N/A	800fr	Rock Pigeon, *Columba livia*	Columbidae
		(What would be listed as b,c, & d are all feature various Rock Pigeons)	

2021, March 25 (Different Species of Birds) Set/4 A*

N/A	800fr	Eurasian Wryneck, *Jynx torquilla* (on left stamp on sheet)	Picidae
N/A	800fr	Eurasian Hoopoe, *Upupa epops* (LS of right stamp)	Upupidae
		Eurasian Bee-eater, *Merops apiaster* (RS top stamp)	Meropidae
N/A	800fr	Eurasian Nuthatch, *Sitta europea* (LS Bot. left stamp)	Sittidae
		Middle Spotted Woodpecker, *Dendrocoptes medius*	Picidae
		(upper body on bot. left stamp)	
N/A	800fr	Common Kingfisher, *Alcedo atthis* (only bird on stamp)	Alcedinidae

2021, March 25 (Vultures & Secretary Bird) A*

N/A	1650f	Andean Condor, *Vultur gryphus* (bird spans upper portion of two stamps)	Cathartidae
		Egyptian Vulture, *Neophron percnopterus* (Left center on left stamp)	Accipitridae
		Eurasian Griffon, *Gyps fulvus* (Bot. of left stamp)	Accipitridae
N/A	1650f	Secretary-bird, *Sagittarius serpentarius* (center of right stamp)	Sagittariidae
		Bearded Vulture, *Gypaetus barbatus* (bot. of stamp)	Accipitridae

2021, March 25 (Finches and Allies) Set/4 A*

N/A	800fr	Eurasian Linnet, *Linaria cannabina*	Fringillidae
N/A	800fr	European Goldfinch, *Carduelis carduelis*	Fringillidae
		Island Canary, S*erinus canaria* (spans three corners of 3 stamps)	Fringillidae

TOGO (continued)

N/A	800fr	Corn Bunting, *Emberiza calandra* (bot. left stamp)	Emberizidae	
N/A	800fr	Eurasian Siskin, *Spinus spinus* (LS, bottom right stamp)	Emberizidae	
		2021, March 25 (Eagles & Kites) Set/2		A*
N/A	1650f	Golden Eagle, *Aquila chrysaetos* (top stamp)	Accipitridae	
N/A	1650f	Short-tailed Snake-Eagle, *Circaetus gallicus* (LS on bot. stamp)	Accipitridae	
		White-tailed Eagle, *Haliaeetus albicilla* (RS on bot. stamp)	Accipitridae	
		In margin: Black Kite, *Milvus migrans* (UR)	Accipitridae	
		2021, March 25 (Pigeons and Quail) Set/6		A*
N/A	550fr	Rock Pigeon, *Columba livia* (UL stamp)	Columbidae	
N/A	550fr	Stock Dove, *Columba oenas* (Ctr top stamp)	Columbidae	
N/A	550fr	European Turtle-Dove, *Streptopelia turtur* (RS on right top stamp)	Columbidae	
		African Collared Dove, *Streptopelia roseogrisea*	Columbidae	
		(Left side top stamp, has *Columba risoria* on stamp)		
N/A	550fr	Passenger Pigeon, *Ectopistes migratorius* (stamp on LL)	Columbidae	
N/A	550fr	Common Quail, *Coturnix coturnix*	Phasianidae	
N/A	550fr	Western Crowned-Pigeon, *Goura cristata*	Columbidae	

TRINIDAD & TOBAGO **1999, May 24** (#511 surcharged) A*

597a	75c on 40c	Fork-tailed Flycatcher, *Tyrannus savana*	Tyrannidae	
		2018, January 1		A*
949	$1.00 on 40c	Fork-tailed Flycatcher, *Tyrannus savana*	Tyrannidae	

TURKEY **2020, August 20** Set/3 (Storks) A*

3721	3l	White Stork, *Ciconia ciconia*	Ciconiidae	
3722	3l	Yellow-billed Stork, *Mycteria ibis*	Ciconiidae	
3723	3l	Black Stork, *Ciconia nigra*	Ciconiidae	

UKRAINE **2020, January 28** (Anniversary of Discovery of Antarctica, 200y)Single A*

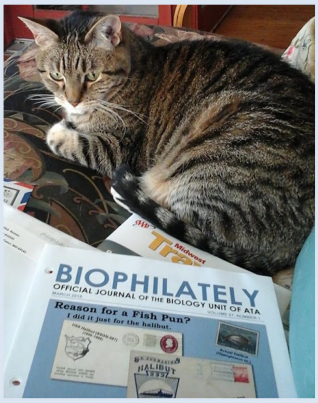
1242	(8h)	Gentoo Penguin, *Pygoscelis papua*	Spheniscidae	
		2020, October 7 (Endangered Birds) Set/8		A*
1267a	9h	Montagu's Harrier, *Circus pygargus*	Accipitridae	
1267b	9h	Lesser Kestrel, *Falco naumann*i	Falconidae	
1267c	9h	Golden Eagle, *Aquila chrysaetos*	Accipitridae	
1267d	9h	Osprey, *Pandion haliaetus*	Pandionidae	
1267e	9h	Booted Eagle, *Hieraaetus pennatus*	Accipitridae	
1267f	9h	Lesser Spotted Eagle, *Clanga pomarine*	Accipitridae	
1267g	9h	Pallid Harrier, *Circus macrourus*	Accipitridae	
1267h	9h	Long-legged Buzzard, *Buteo rufinus*	Accipitridae	

URUGUAY **2020, September 30** (World Tourism Day) Set/10 B*

2717d	25p	Surucua Trogon, *Trogon surrucura*	Trogonidae	
		(Stamp has "Area Protegida Paso Centurion")		
		2020, October 23 (Diplomatic Relations Uruguay and Poland, 100y)		A*
2722a	25p	Maguari Stork, *Ciconia maguari*	Ciconiidae	
2722b	70p	White Stork, *Ciconia ciconia*	Ciconiidae	
		2020, December 3 (Jose Maria Iparraguire, 200y) Set/2		B*
2728a	27p	Common Chaffinch, *Fringilla coelebs*	Fringillidae	

UZBEKISTAN		**2015, June 15** (#10-11 surcharged)		A*
770	200s on 3s	Osprey, *Pandion haliaetus*	Pandionidae	
773	500s on 5s	Eurasian Penduline-Tit, *Remiz pendulinus*	Remizidae	
		2020, March 20 (Norvuz) Single		B*
911	11,200s	Barn Swallow, *Hirundo rustica*	Hirundinidae	

Zoey can't hardly wait for the next issue of Biophilately!



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New Birds in the Philatelic Aviary

By Charles E. Braun, BU 1364

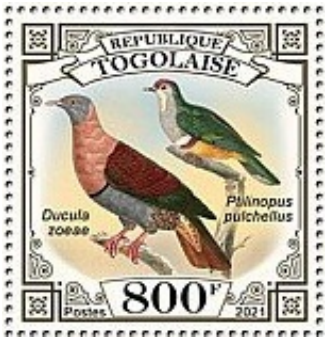
New Birds

Correction

In BP 70 #1, Booted Warbler is in the Family Acrocephalidae. Also note that this species was previously on a 1982 issue from Eynhallow.

New Birds

PINK-HEADED IMPERIAL-PIGEON, *Ducula rosacea* Columbidae



Togo, 2021, not yet cataloged, 800fr
Length: 16 to 18 inches, sexes alike, resident. Dull bronzy green above and pale mauve-pink below, with a pink head, and a pale gray throat and neck.
Habitat: Forest and woodland scrub.
Range, Sulawesi, northwestern Halmahera and islands in the Java Sea, Indonesia.i
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 4.

LARGE-TAILED NIGHTJAR, *Caprimulgus macrurus* Caprimulgidae

Sierra Leone, 2020, not yet cataloged, 5000le
Length: 10 to 12 inches, resident. The male (shown on the stamp) is streaked grayish-brown above and barred and speckled brownish below, with white wing spots and tail tips; the female has buff wing spots and tail tips.
Habitat: Forests, open country, savanna and villages.
Range Northwestern Pakistan to the southwestern Philippines and northern and northeastern Australia.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 5.

BUFF-TAILED SICKLEBILL, *Eutoxeres comdamini* Trochilidae

Togo, 2021, not yet cataloged, 800fr
Length: 5 to 6 inches, sexes similar, resident. Dark green above an black and white streaked below, with a long curved bill and a buff outer tail.
Habitat: Forest, open areas and plantations.
Range: Southeastern Colombia to northwestern Bolivia.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 5.

AMETHYST-THROATED SUNANGEL, *Heliangelus amethysticollis*
Trochilidae
Togo, 2021, not yet cataloged, 800fr
Length: 4 inches, sexes similar, resident. Green, with a white-bordered rosy amethyst throat,
Habitat: Montane forest and forest edges.
Range: Southern Ecuador to northwestern Bolivia.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 5.

GREEN-TAILED TRAINBEARER, *Lesbia nana* Trochilidae
Togo, 2021, not yet cataloged, 800fr
Length: 6 to 7 inches, sexes similar but the female has a shorter tail, resident, Green above and green- spotted white below, with a long forked tail.
Habitat: Second growth and bushy slopes.
Range: Northeastern Colombia to northern Bolivia.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 5.

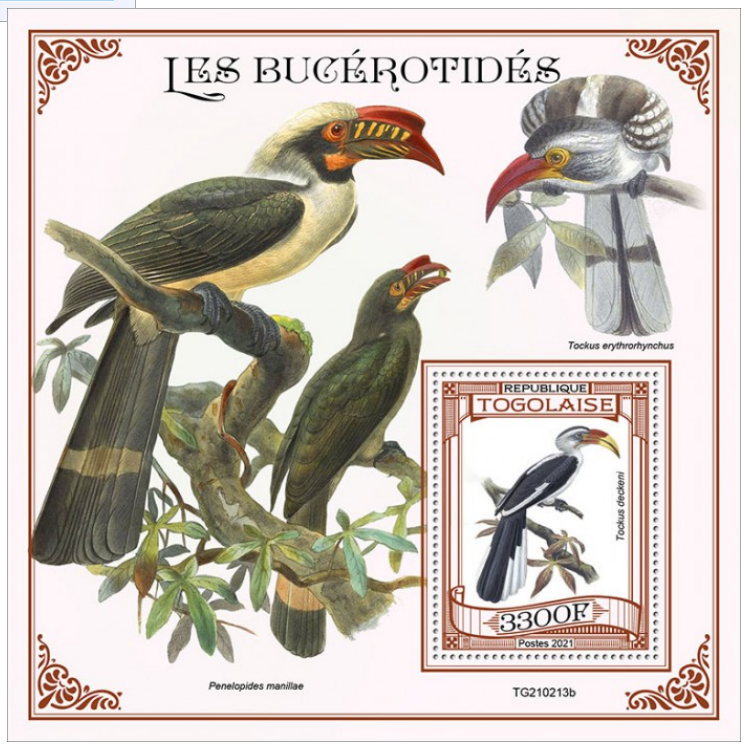
WHITE-TAILED TROGON, *Trogon chionurus* Trogonidae
Niger, 2021, not yet cataloged, 800fr Lower left surrounds
Length: 10 to 11 inches, sexes similar, resident. Metallic green above and yellow below, with a bluish black head and neck and a white tail.
Habitat: Forest, woodland, clearings and plantations.
Range: Western Panama to western Ecuador.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 6.

BLACK-THROATED TROGON, *Trogon rufus tenellus* (subspecies shown) Trogonidae
Niger, 2021, not yet cataloged, 800fr
Length: 9 to 10 inches, resident. The male (shown on the stamp) is green above and yellow below, with a black face and throat, green breast and a blue tail; the female has a coffee-brown head, neck and back.
Habitat: Humid lowland forest and adjacent areas.
Range:Eastern Honduras to northwestern Colombia.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 6.

SUMATRAN TROGON, *Harpactes mackloti* Trogonidae
Niger, 2021, not yet cataloged, 800fr
Length: 12 inches, sexes similar, resident, Green above and yellow below, with a grayish-green breastband, deep chestnut rump and a deep metallic blue tail.
Habitat: Montane rainforest.
Range: Sumatra, Indonesia.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 6.

VISAYAN HORNBILL, *Penelopides panini* Bucerotidae
Togo, 2021, not yet cataloged, 3300fr
Length: 16 inches, resident. The male (shown on the stamp) is black above and yellowish below, with a ridged bill, a yellow head with black ear coverts and a black-tipped pale yellow tail; the female has a black head.
Habitat: Forest.
Range: Central Philippines.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 6.

LUZON HORNBILL, *Panelopides manillae* Bucerotidae
Length: 18 inches, resident. The male (shown on the stamp) is black above and creamy below, with a ridged bill, a creamy head with black ear coverts and a black tail with a pale band; the female is all brownish black except for the pale tail band.
Range: Luzon and adjacent islets, Philippines.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 6.



SPANGLED KOOKABURRA, *Dacelo tyro*, Alcedinidae
Sao Tome & Principe, 2021, not yet cataloged, 31Db
Length: 13 inches, sexes similar, resident. Black above and washed buff to pale orange below, with cobalt blue wing coverts and a black-margined yellow-buff head.
Habitat: Well-wooded dry savannas, and dense monsoon and riverine forest.
Range: Small islands off southwestern New Guinea.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 6.

PIED PUFFBIRD, *Notharchus tectus* Bucconidae
Niger, 2021, not yet cataloged, 800fr Lower left surrounds
Length: 6 inches, sexes alike, resident. Glossy black above and white below, with a broad black breast band and bill.
Habitat: Tropical lowlands.
Range: Eastern Costa Rica to northeastern Brazil and eastern Bolivia.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 7.

CHESTNUT-CAPPED PUFFBIRD, *Argicus macrodactylus* Bucconidae
Niger, 2021, not yet cataloged, 800fr Lower right surroumds
Length: 6 inches,sexes alike, resident. Dark brown above and buffy below, with a chestnut cap and black neck.
Habitat:Humid forest near water.
Range: Eastern Colombia and southern Venezuela to Amazonian Brazil and northern Bolivia.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 7.

BARRED PUFFBIRD, *Nystalus radiatus* Bucconidae
Niger, 2021, not yet cataloged, 800fr
Length: 9 inches, sexes alike, resident. Black-barred brown above and black-barred pale rufescent below.
Habitat: Forest borders ond overgrown clearings.
Range: Central Panama to western Ecuador.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 7.

STRIPE-BELLIED PUFFBIRD, *Nystalus maculatus striatipectus* (subspecies) Bucconidae
Niger, 2021, not yet cataloged, 800fr
Length: 7.5 inches, sexes alike, resident. Buff-spotted brown above and black-streaked white below, with a pale rufous breast and a white chin.
Habitat: Woodland, savanna, palm groves and shrubs.
Range: Southern Bolivia to northwestern Argentina.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 7.

TWO-BANDED PUFFBIRD, *Hypnelus bicinctus* Bucconidae
Niger, 2021, not yet cataloged, 800fr
Length: 8 inches sexes alike, resident. Whitish-mottled dark brown above and buffy rufous below, with two black breast bands.
Habitat: Thinly wooded tropical savanna and thickets.
Range: Northeastern Colombia to northern Venezuela.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 7.

RUFOUS-CAPPED NUNLET, *Nonnula ruficapilla* Bucconidae
Niger, 2021, not yet cataloged, 800fr

Length: 5 inches, sexes alike, resident. Dull brown above and orange rufous below, with a deep chestnut cap and cold gray face and neck.
Habitat: Forest and thickets.
Range: Eastern Peru to northern Bolivia and central Brazil.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 7.

WHITE-CHINNED JACAMAR, *Galbula tombacea* Galbulidae
Niger, 2021, not yet cataloged, 3300fr
Length: 8 to 9 inches, sexes similar (female on the left), resident. Metallic bronzy green above and rufous-chestnut below, with a white chin and glittering green throat and chest.
Habitat: Gallery forest, shrubby borders and treefalls.
Range: Southeastern Colombia to northeastern Ecuador and northwestern Brazil.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 7.

PURPLISH JACAMAR, *Galbula chalcothorax* Galbulidae
Niger, 2021, not yet cataloged, 3300fr Upper left surrounds
Length: 8 to 9 inches, sexes similar, resident. -Metallic reddish-purple above and dusky below, with a blackish-green crown, white throat and coppery red breast.
Habitat: Forest, edges, clearings and tree falls.
Range: Southeastern Colombia to eastern Peru and western Brazil.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 7.

WHITE-WEDGED PICULET, *Picumnus albosquamatus*, Picidae
Surinam, 2021, not yet cataloged, $15
Length: 4 inches, resident, The male (shown on the stamp) is grayish-brown above and scaly whitish below, with a black-spotted red crown and a white-spotted black nape; the female lacks the red crown.
Habitat: Moderately dry savanna and gallery forest.
Range: North-central and eastern Bolivia to east-central Brazil.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 7.

WHITE WOODPECKER, *Melanerpes candidus* Picidae
Surinam, 2021, not yet cataloged, $13
Length: 10 to 12 inches, resident. The male (shown on the stamp) is black above and white below, with a white head and yellow hindneck; the female lacks the yellow hindneck.
Habitat: Forest, woodland, savanna and scrub.
Range: Lower Amazon to eastern Bolivia and northern Argentina.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 7.

YELLOW-FRONTED WOODPECKER, *Melanerpes flavifrons* Picidae
Surinam, 2021, not yet cataloged, $14
Length: 7 inches, resident. The male (shown on the stamp) is blue-black above and orange to crimson-red below, with a yellow front and throat, red crown and nape, grayish breast and black-barred whitish sides; the female lacks the red on the head.
Habitat: Forest, palm groves and orchards.
Range: Southeastern Brazil to eastern Paraguay.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 7.

MARINE INVERTEBRATES

Editor

Peter Voice, BU1863

After seeing the pleas for a new editor of Marine Invertebrates, I decided to attempt compiling a list of new issues. While my interests are more towards paleontological themes, I do quite enjoy the beauty of marine invertebrates as presented on stamps. In compiling the list below, I started with 2019 issues assigned Scott numbers starting in the May, 2019 *Linn's Stamp News* issue as it appeared that these new issues were not in the last listing. This list compiles every marine invertebrate and select freshwater and terrestrial invertebrates (snails, land crabs, etc.) published in 2019-2021 in the *Linn's* updates from May, 2019 to July, 2021.

New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ALDERNEY (GREAT BRITAIN)		**2020, January 21**		
662	65p	Shore Crab	Indeterminate	A
664	80p	Beadlet Anemone, *Actinia equina*	Actiniidae	A
665	90p	Ormer (type of abalone)	Haliotidae	A
666	98p	Cushion stars, *Culcita novaeguineae*	Oreasteridae	A
ANTIGUA AND BARBUDA		**2020, May 20**		
3574a-d and 3575 various		Spotted Cleaner Shrimp, *Periclimenes yucatanicus*	Palaemonidae	A
3576, 3577 various		Sea Shells	Indeterminate	S/U
BELGIUM		**June 17, 2019**		
2896b	€1.40	Star-shaped objects in nature – shows a starfish	Indeterminate	A
CARIBBEAN NETHERLANDS – BONAIRE		**2020, July 1**		
122a	75c	Queen Conch, *Lobatus gigas*	Strombidae	A
123b	75c	Caribbean spiny lobster, *Panulirus argus*	Palinuridae	A
CHINA (TAIWAN)		**2019, January 24**		
4460	$13	Dongsha Coral Reef and Yellowfish	Not applicable	G
		2020, April 24		
4531	$6	Oysters and Cigu lagoon	Indeterminate	B
		2021, January 20		
4576	$8	Sea Lavender off Dongjiyu, and giant Triton	Charoniidae	C
CHRISTMAS ISLAND		**2020, August 17**		
594	$1.10	Bright-eyed Crab, *Chiromantes garfunkel*	Sesarmidae	A
595	$1.10	Kuhl's Ghost Crab, *Ocypode kuhlii*	Ocypodidae	A
596	$2.20	Red Nipper, *Geograpsus stormi*	Grapsidae	A
597	$2.20	White Striped Crab, *Labuanium vitatum*	Sesarmidae	A
COOK ISLANDS		**May 30, 2019**		
1628e	50c	Coconut Crab, *Birgus latro*	Coenobitidae	A

CROATIA		**2019, May 15**		
C6a-d	8.60k	Marine Life[1]	Not applicable	A
C6a		Spiral Fan Worm, *Bispira volutacornis*	Sabellidae	A
C6b		Sea urchin, *Sphaerechinus grannularis*	Toxopneustidae	A
C6c		Nudibranch, *Peltodoris atromaculata*	Discodorididae	A
C6d		Mediterranean Moray Eel – a fish, *Muraena helena*		
		2020, February 14		
1163	20l	Sea sponge, *Suberites domuncula*	Suberitida	A
1164	50l	Yellow sea whip, *Eunicella cavolini*	Gorgoniidae	A
1165	10k	Starfish, *Hacelia attenuata*	Ophidiasteridae	A
CURAÇAO		**2019, March 19**		
362	68c	Hermit crab, *Pylopagurus discoidalis*	Paguridae	A
363	1	Starfish, *Linckia nodosa*	Ophidasteridae	A
364	2	Adanson's slit shell, *Entemnotrochus adansonianus*	Pleurotomariidae	A
365	319c	Brittle star, *Ophlarachnella petersi*	Ophiodermatidae	A
366	456c	Flame scallop, *Mantellina translucens*	Limidae	A
367	711c	*Calliostoma rosewateri*	Calliostomatidae	A
DJIBOUTI		**2019, June 12**		
1728a-d	250fr	Fish and Coral	Not Applicable	B
1728a		*Paracanthurus hepatus* with coral *Acabaria splendens*[2]	Melithaeidae	B
1728b		*Pomacanthus xanthometopan* with coral *Zoanthus gigantus*	Zoanthidae	B
1728c		*Pomacanthus imperator* with coral *Discosoma nummiforme*	Discosomidae	B
1728d		*Balistoides conspicilum* with coral *Ricordea florida*	Ricordeidae	B
1738	1000fr	*Zebrasoma desjardini*i with coral *Annella mollis*	Subergorgiidae	B
DOMINICAN REPUBLIC		**2019, October 9**		
1655a-l	20p	Corals (sheet of 10 issues)	Not applicable	A
1655a		*Plexaurella nutans*	Plexauridae	A
1655b		*Madracis auretenra*	Pocilloporidae	A
1655c		Black fish over *Montastraea cavernosa*	Montastraeidae	A
1655d		*Antipathes gracilis*	Antipathidae	A
1655e		*Acropora palmata*	Acroporidae	A
1655f		Yellow *Montastraea cavernosa*	Montastraeidae	A
1655g		*Orbicella annularis*	Merulinidae	A
1655h		Two fish over *Colpophyllia natans*	Mussidae	A
1655i		*Icilligorgia schrammi*	Anthothelidae	A
1655j		Fish and close up view of *Colpophyllia natans*	Mussidae	A
1655k		*Stylaster rosens*	Stylasteridae	A
1655l		*Mycetophyllia aliciae*	Mussidae	A
1656a-l	20p	Corals (sheet of 10 issues)	Not applicable	A
1656a		*Acropora cervicornis*	Acroporidae	A
1656b		*Neospongodes portoricensis*	Neptheidae	A
1656c		*Mycetophyllia ferox*	Faviidae	A
1656d		*Dendrogyra cylindrus*	Meandrinidae	A
1656e		*Pseudopterogorgia sp.*	Gorgoniidae	A

DOMINICAN REPUBLIC (continued)

1656f	*Tubastrea coccinea*	Dendrophyliidae	A
1656g	*Antipathes caribbeana*	Antipathidae	A
1656h	*Orbicella faveolate*	Merulinidae	A
1656i	*Millepora complenata*	Milleporidae	A
1656j	*Agaricia tenuifolia*	Agariciidae	A
1656k	*Gorgonia ventalina*	Gorgoniidae	A
1656l	*Helioseris cucullate*	Agariciidae	A

FRENCH POLYNESIA **2019, May 24** (Marine Life in Protected Reserve)

1227	100fr	Various animals	G

FRENCH SOUTHERN & ANTARCTIC TERRITORIES **2019, January 2**

606	€1.70	*Zanclorhynchus spinifer* with starfish and sponges in background	Not applicable	C
615a	70c	*Falsimargarita gemma*	Calliostomatidae	A
615b	95c	*Trophonella scotiana*	Muricidae	A
615c	€1.35	*Trophonella shackletoni*	Muricidae	A

2020, January 2

634a	€1.45	P*sychroteuthis glacialis*	Psychroteuthidae	A
634b	€1.55	*Pareledone turqueti*	Megaleledonidae	A

GRENADA **2019, February 6**

4319a-c	various	Depictions of Sunfish – margin of souvenir sheet has coral reef	Not applicable	Z

2019, April 18

4328a-d	various	Hermit Crabs	Not applicable	A
4328a	$4	Caribbean hermit crab, *Coenobita clypeatus*	Coenobitidae	A
4328b	$5	Giant hermit crab, *Petrochirus diogenes*	Diogenidae	A
4328c	$6	Stareye hermit crab, *Dardanus venosus*	Diogenidae	A
4328d	$7	Red reef hermit crab, *Paguristes cadenati*	Diogenidae	A
4329a-b	$8	both issues show Caribbean hermit crab, *Coenobita clypeatus*	Coenobitidae	A

HONG KONG **2019, July 16**

2016	$2.60	Jellyfish	Indeterminate	A
2020	$5.00	Fish, sea cucumber and corals	Not applicable	B
2020b		Selvage of souvenir sheet of issues 2015-2020 has coral across lower margin		Z

INDONESIA **2019, November 5**

2515b	10,000r	Sulaesi harlequin shrimp – freshwater, *Caridina woltereckae*	Atyidae	A

ISRAEL **2020, February 4**

2250	16s	*Chlorusus* and other fish, sea anemones and corals	Indeterminate	C

JAPAN **2019, August 20** (Iriomonte-Ishigaki National Park)

4315	¥210	View of corals and sponges on seafloor		C

2019, November 6

4357g	¥63	Stylized lobster	Indeterminate	S

2020, May 14

4395a	¥63	Snail	Indeterminate	S
4395b	¥63	Shell spiral	Indeterminate	S

JAPAN (continued)

4395c	¥63	Starfish	Indeterminate	S
4395d	¥63	Conch shell	Indeterminate	S
4395e	¥63	Scallop	Indeterminate	S
		2020, June 1		
4402i	¥63	Sea shell	Not labeled	A
		2020, June 19		
4408f	¥84	Jellyfish	Indeterminate	S
		2020, July 1		
4409j (and margin of souvenir sheet)	¥84	Clownfish in anemone	Indeterminate	C

KOREA, SOUTH **2019, June 5**

2548a-d	380w	Corals		A
2548a		*Dendronephthya suensoni*	Nephtheidae	A
2548b		*Dendronephthya molis*	Nephtheidae	A
2548c		*Dendronephthya putter*i	Nephtheidae	A
2548d		*Dendronephthya alba*	Nephtheidae	A

MARSHALL ISLANDS **2019, March 29**

1229	5c	Portuguese man o'war, *Physalia physalis*	Physaliidae	A
1231	35c	Peacock Mantis Shrimp, *Odontodactylus scyllarus*	Odontodactylidae	A
		2019, May 17		
1237a	$2	Spotted Jellyfish, *Phyllorhiza punctata*?	Mastigiidae	A
1237b	$2	Crown Jellyfish (species unclear)	Cepheidae	A
1237c	$2	Moon Jellyfish, *Aurelia aurita*	Ulmaridae	A
1238	$5	Same species	Ulmaridae	A
		2020, May 22		
1265	$2.20	Christmas Tree Worm, *Spirobranchus giganteus*	Serpulidae	A
1267	$21.10	Vase Sponge, *Callyspongia plicifera*	Callyspongiidae	A

MONACO **2019, March 15**

2967	€1.30	Mediterranean Science Commission Centennial with Starfish	Not Applicable	C

2020, January 6 (Oceanographic Museum of Monaco)

3012a-c	various	Unidentified corals and fish		G

NEVIS **2020, January 6**

2002b	$3	Equal Sea star, *Mediaster aequalis*	Goniasteridae	A
2002c	$4	Purple Sea Urchin, *Arbacia punctuata*	Arbaciidae	A
2002d	$5	Mountain Crab, *Gecarcinus ruricola*	Gecarcinidae	A

NEW CALEDONIA **2020, July 1**

1264	210fr	Sea Fans resembling people kissing	Not Applicable	S

PALAU **2019, January 1**

1426	$4	Golden Jellyfish, *Mastigias papua*	Mastigiidae	A
		2019, April 21		
1427a-d and 1428	various	Strawberry hermit crab, *Coenobita periatus*	Coenobitidae	A

PALAU (continued)

2019, May 1

1429a-c, 1430a-c, and 1431 various		Mimic Octopus, *Thaumoctopus mimicus*	Octopodidae	A

2019, June 14

1434b	55c	Fish and coral	Indeterminate	C

2019, December 27

1442a-c, 1443a-b	various	Maroon clownfish with anemones	Indeterminate	C
1444a	$1	Lion's Mane Jellyfish, *Cyanea capillata*	Cyaneidae	A
1444b	$1.50	Same species	Cyaneidae	A
1444c	$2	Moon Jellyfish, *Aurelia aurita*	Ulmaridae	A
1444d	$2.50	Same species	Ulmaridae	A
1445	$5	White Spotted Jellyfish, *Phyllorhiza punctata*	Mastigiidae	A

PHILIPPINES **2019, November 20**

3837a-e	25p	Deep sea shrimps	Indeterminate	A
3837a		Brilliant red carid, *Acanthephyra armata*	Acanthephyridae	A
3837b		Domino shrimp, *Parapenaeus sextuberculatus*	Penaeidae	A
3837c		Mino nylon shrimp, *Heterocarpus sibogae*	Pandalidae	A
3837d		Rock shrimp, *Sicyonia parajaponica*	Sicyoniidae	A
3837e		Narwal soldier shrimp, *Plesionika narval*	Pandalidae	A

PITCAIRN ISLANDS **2019, October 23**

865	20c	*Heterocentrotus mamillatus*	Echinometridae	A
866	$1	*Brissus latecarinatus*	Brissidae	A
867	$3	*Neoferdina cumingi*	Goniasteridae	A
868	$4.60	*Macrophiothrix demessa*	Ophiotrichidae	A

SAN MARINO **2021, March 30**

2095	€1.15	*Potamon fluviatile* (freshwater crab)	Potamidae	A

SOUTH GEORGIA & SOUTH SANDWICH ISLANDS **2020, October 15**

622	10p	Krill (no species recorded on stamp)	Euphausiidae	A

SRI LANKA **2020, March 3**

2233	15r	Land snail, *Acavus haemastoma*	Acavidae	A
2247	15r	Slate pencil urchin, *Heterocentrotus mamillatus*	Echinometridae	A

SURINAM **2019, February 13**

1560a-h	various	Marine Life of the Marianas Trench		A
1560a	C	Pelagic Umbrella Octopus, *Grimpoteuthis sp.*	Opisthoteuthidae	A
1560c	$10	Arctic Comb Jelly, *Martensia* ovum	Mertensiidae	A
1560e	$15	Isopod, *Munnopsis sp.*	Munnopsidae	A
1560h	$30	Glowing Sucker Octopus, *Stauroteuthis syrtensis*	Stauroteuthidae	A

TRISTAN DA CUNHA **2019, April 10** (Tristan da Cunha Lobster Fisheries)

1153-1156	various	(1156 – *Jasus tristani* lobster)	Palinuridae	A

TUVALU **2019, May 1**

1445a-c, 1446a-c, and 1447 various		Day Octopus, *Octopus cyanea*	Octopodidae	A

UNITED NATIONS

New York **2019, April 26**

1213	$1.15	Queen Conch, *Strombus gigas*	Strombidae	A

Vienna **2019, April 26**

636	90c	*Acropora spp.*	Acroporidae	A

UNITED STATES **2019, March 29**

5363	55c	Elkhorn Coral and French Angelfish, *Acropora palmata*	Acroporidae	S
5364	55c	Brain Coral and Moray Eel (probably *Diploria sp.*)	Mussidae	S
5365	55c	Pillar Coral, Grouper and Neon Gobies, *Dendrogyra cylindricus*	Meandrinidae	S
5366	55c	Staghorn Coral and Blue-striped Grunts, *Acropora cervicornis*	Acroporidae	S

Footnotes:

[1]Croatia C6a-d – Linn's stamp News (August 19, 2019) issue shows a picture of the 2015 issue instead of the 2019 issue.

[2]*Acabaria splendens* has been reassigned to *Melithaea splendens*.

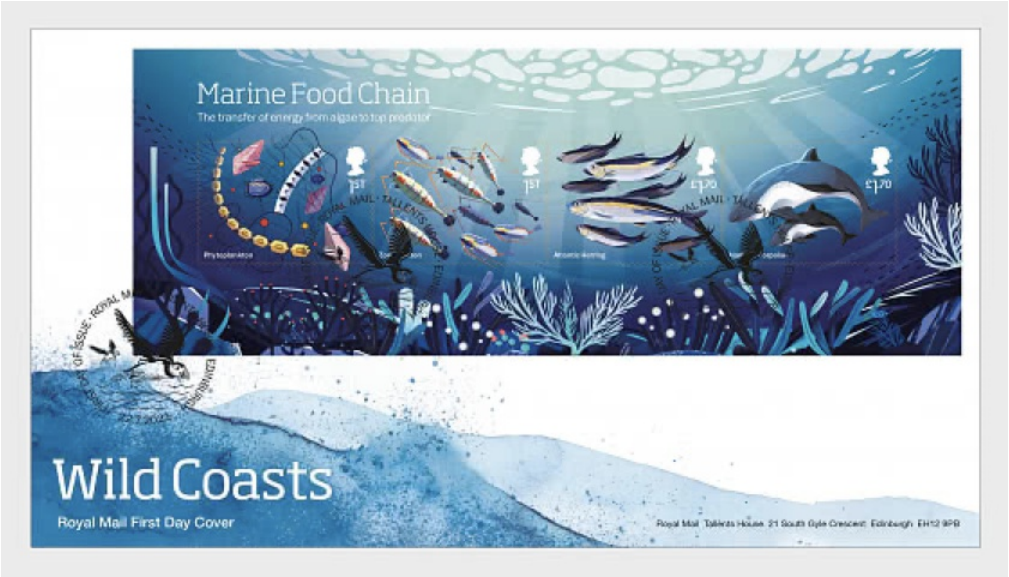
Selected Upcoming issues of interest

Here are a few issues that have caught my eye that may be of interest. They have not been assigned Scott numbers yet.

Norfolk Island has a very attractive set of 2 land snail stamps that were issued on June 22nd, 2021. In the 35 square kilometers (13.5 square miles) of the island, approximately 70 endemic species of land snails have been described. Roughly 50 species are extant, with 5 species critically endangered. The $1.10 issue depicts an individual of *Greenwoodoconcha nux*. This species prefers living in leaf litter and under bark on logs. Their shells are dark red-brown in color, with a spiral pattern of linear grooves. It is a member of the family Microcystidae. The $2.20 stamp shows an individual of the Assimineid *Duritropis albocarinata*. *Duritropis*'s shell is very colorful – ranging from yellow and orange to red and purple-brown. The whorl is characterized by wavy ribs. It also prefers leaf litter and grazes on logs and endemic plants.

As part of its Protected Areas of Portugal stamps, Portugal released a stamp with a fossil bivalve as part of the set of images representing the Serras de Aire e Candeeiros Park on July 2, 2021. While this stamp also fits in the prehistoric life section of Biophilately, it also falls into this category. The fossil is Jurassic in age and lived in the shallow marine seas that covered much of Europe during this period when global sea level was much higher.

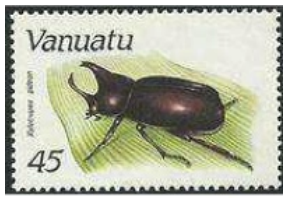
Great Britain produced a fascinating set of stamps on July 22nd – Great Britain's Wild Coasts. The souvenir sheet shows a stylized view of a marine food chain – with a view of zooplankton including



some tiny arthropods. In addition, a set of 10 stamps focused on larger animals, and included the following marine invertebrates: the Common Cuttlefish, the Spiny Spider Crab, the Fried-egg Anemone, and a Cold-water Coral Reef.

Slovakia issued a stamp honoring the Denovska Cave of Liberty on June 30, 2021. The stamp shows an individual of *Niphargus tatrensis* found in the caves in central Europe. It is an amphiphod crustacean in the family Niphargidae that is a troglobite (an animal that is found strictly in underground habitats.

Upcoming Issues References
Great Britain Wild Coasts: https://www.collectgbstamps.co.uk/explore/issues/?issue=23060
Norfolk Island Land Snails https://australiapostcollectables.com.au/stamp-issues/norfolk-island-land-snails.html
Portugal: https://www.wopa-plus.com/en/stamps/product/&pid=68651
Slovakia: https://www.wopa-plus.com/en/stamps/product/&pgid=68068



ENTOMOLOGY

Editors

Don Wright BU 243
and Jose Reis BU 1889

New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ARMENIA		**2020, December 28** (Flora & Fauna of Armenia) Set/2		
1242	330d	Romanov's Hairstreak, *Tomares romanovi* Christoph	LYC, Theclinae	A
BELARUS		**2020, July 4** (Stylized Insects & Vegetables) Set/14		
1188	5k	Stylized Bee & carrot	Apidae	C
CAYMAN ISLANDS		**2020, November 18** (Botanical Park) Set of 12		
L	$20	Cayman Julia, *Dryas iulia zoe* Miller & Steinhauser	NYM, Heliconiinae	B
COLOMBIA.		**2021, July 12**		
	5000p	Common Tiger, *Mechanitis polymnia* L.	NYM, Danainae	A
	5000p	*Catasticta prioneris* Hopffer	PIE, Pierinae	A
	5000p	Tiger Pierid, *Dismorphia amphione* Cramer	PIE, Dismorphiinae	A
	5000p	Cream-spotted Tigerwing, *Tithorea tarracina* Hewitson	NYM, Danainae	A
	5000p	*Ithomia iphianassa alienassa* Haensch	NYM, Danainae	A
COOK ISLANDS.		**2021** (Smithsonian Museum)		
	d, 10c.	Grasshopper, *Melanoplus sp*.	ACR, Melanoplinae	A
COOK IS. – PENRHYN IS.		**2021** (Smithsonian Museum)		
	d, 40c.	Monarch, *Danaus plexippus* L.	NYM, Danainae	A
GRENADA		**2020, September 30** (Flycatcher Birds)		
	a&c $6	INSECT in bird's beak	U/I Insect	C
		2021, June 17		
	$4	Common Wasp, *Vespula vulgaris* L.	VES, Vespinae	A
	$4.50	White Peacock, *Anartia jatrophae* Johansson	NYM, Nymphalinae	A
	$4.50	7-Spotted Ladybird, *Coccinella septempunctata* L.	COC, Coccinellinae	A
	$4.50	Banded Jewelwing, *Calopteryx splendens* Harris	CAL, Calopterinae	A
	$5	Eastern Lubber Grasshopper, *Romalea microptera* Palisot de Beauvois	ROM, Romaleinae	A
	$14	Fire ant, *Solenopsis sp*.	FOR, Myrmicinae	A
HUNGARY		**2021, March 8** (Fables) Set/4		
4587b	45fo	Fable of Ant & Grasshopper, stylized	FOR & ACR	C
		2021, May 5 (Pollinators) SS/1		
4595	1000fo	Buff-tailed Bumblebee, *Bombus terrestris* L.	API, Apinae	A
	Margin UL:	Hawkmoth	Sphingidae	Z
	LL:	*Bombus sp*.	API, Apinae	Z
	Inner LL:	Question Mark, *Nymphalis interrogationis* Fabr.	NYM, Nymphalinae	Z
	UR:	Peacock, *Nymphalis io* L.	NYM, Nymphalinae	Z

L Center:	Hoverfly	SYR, Syrphinae	Z
R Center:	Moth	Lepidoptera	Z
R:	Bee	Apidae	Z
M Bottom:	Western Honeybee, *Apis mellifera* L.	API, Apinae	Z

2121 May 5 (Europa)

4x715fo	Birds & Animals, no insect	-	
Margin UL & LR:	Lion Butterfly, *Libelloides macaronius* Scopoli	*ASC, Ascalaphinae	Z

JAPAN **2021, January 15**

4470d ¥84	Stylized Butterfly. With Moominpappa 2021 February 19.	Lepidoptera	B
4475b ¥63	Bee. With rape blossoms	Apidae	C
4475f ¥63	Butterfly. With cat & flowers	Lepidoptera	C

MALAYSIA **2013, May 13** (Correction by Patrice Bonafonte)

1458e $1	Trilobite Beetle, *Platerodrilus ruficollis* Pic (Name change)	Lycidae, Leptolycinae	A

MOLDOVA **2020, August 25** (Year of Plant Health)

1064 15.50l	Western Honeybee, *Apis mellifera* L	API, Apinae	A

NETHERLANDS **2021, June 15**

a 1st	Green Hawker, *Aeshna viridis* Eversmann, also in margin AES, Aeshninae		BZ

NEW CALEDONIA **2021 May 6** (Society for the Safeguarding of Nature) Single

1276 260fr	Tiny blue Butterfly, at LR	Lepidoptera	C

PALAU **2020 June 17** (Corrections)

1447a $1	*Melanargia galathea* L. Purple flowers. Caption: Pieris rapae	NYM, Satyrinae	A
1448a $1	*Melanargia galathea* L. Green background. Caption: *Pieris rapae*	NYM, Satyrinae	A

PHILIPPINES **2020 May 2** (Traditional Games) Set/3, SS/1

3855b 55p	Butterfly	Lepidoptera	C

SRI LANKA **2020 February 3** (World Wetlands Day) Set/10

2214-23	12x15r Plants, no insects	-	
Margins:	Various silhouettes of stylized insects	U/I	Z

2020 March 3 (Threatened Wildlife) Set/20

2239L 15r	Crimson Rose Swallowtail, *Atrophaneura hector* L.	PAP, Papilioninae	A

SURINAM **2020 December 30** (Birds) Set/16

1606 Z ($5)	Bird *Coccyzus melacoryphus*	-	
Margin:	Butterfly	Lepidoptera	Z
1608 $5	Katydid	Tettigoniidae	A
1611 $5	Tropical Checkered Skipper, *Pyrgus oileus* L.	HES, Pyrginae	A
1612 $5	Hammack Skipper, P*olygonus leo* Gmelin	HES, Pyrginae	A
1614 $5	Cassius Blue, *Leptotes cassius* Cramer	LYC, Polyommatinae	A
1617 $5	Gulf Fritillary, *Agraulis vanillae* L.	NYM, Heliconiinae	A
1619 $5	Hall's Sulfur, *Eurema leuce* Boisduval	PIE, Coliadinae	A
1620 $5	Hanno Blue, *Hemiargus hanno* Stoll	LYC, Polyommatinae	A
1621 $5	Ornamented Utetheisa, *Utetheisa ornatrix* L.	ARC, Arctiinae	A

SURINAM (continued)

2021

a.	B	Bright Blue, *Strephonota sphinx* Fabr.	LYC, Theclinae	A
b.	$9	Dingy Skipper, *Erynnis tages* L.	HES, Pyrginae	A
c.	$11	*Euselasia euriteus* Cramer	RIO, Euselasiinae	A
d.	$12	Grand Imperial, *Neocheritra amrita* C&R Felder	LYC, Theclinae	A
e	$13	Imperial Blue, *Jalmenus evagoras* Donovan	LYC, Theclinae	A
f.	$14	Common Opal, *Chrysoritis thysbe* L.	LYC, Theclinae	A
g.	$15	Large Grizzled Skipper, *Pyrgus alveus* Hubner	HES, Pyrginae	A
h.	$16	*Heliopyrgus americanus* Blanchard	HES, Pyrginare	A
i.	$17	Safflower Skipper, *Pyrgus carthami* Drury	HES, Pyrginae	A
j.	$18	Grizzled Skipper, *Pyrgus malvae* L.	HES, Pyrginae	A
k.	$19	Calliope Metalmark, *Stalachtis calliope* L.	RIO, Riodininae	A
l.	$20	*Stalachtis phaedusa* Hubner	RIO, Riodininae	A

SWEDEN **2021, January 14** (Nature Scenes)

2867	24k	Dragonfly & flowers	Odonata	C
2868d	(12k)	Stylized fritillary butterfly on flower	NYM, Heliconiinae	C

TAJIKISTAN **2021, January 2021** (Ruits & Juice, Fruits mis-spelled)

a&d, 6.20s.	UL: Monarch, *Danaus plexippus* L., in blue	NYM, Danainae	C
	LR: ?*Troides sp*.	PAP, Papilioninae	C
b&e, 6.20s.	UL: Monarch, *Danaus plexippus* L.	NYM, Danainae.	C
	Top: Bee	Apidae	C
c&f, 6.20s.	Top: Blue Morpho, *Morpho rhetenor* Cramer	NYM, Morphinae.	C
	LR: Bee	Apidae	C

TONGA **2021** (Smithsonian Museum)

d 40c	Monarch, *Danaus plexippus* L., larva	NYM, Danainae	A

TUVALU **2021, May 17**

$1	Painted Grasshopper, *Zonocerus variegatus* L.	PYRG, Pyrgomorphinae	A
$2	*Melanoplus sp*.	ACR, Melanoplinae	A
$3	Eastern Lubber Grasshopper, *Romalea microptera* Palisot de Beauvois	ROM, Romaleinae	A
$2	Vagrant Grasshopper, *Schistocerca nitens* Thunberg	ACR, Cyrtacanthacridinae	A
$3	Oak Bush Cricket, *Meconema thalassinum* De Geer	TET, Meconematinae	A
$1	2-Striped Grasshopper,*Melanoplus bivittatus* Say	ACR, Melanoplinae	A

UGANDA **2013 November 25** (Stamperija UGN-13308b)

2084	7500sh	Frog, no insect	-

Margin UR: *Troides alexandrae* Rothschild, ♂. Papua New Guinea #700, s-o-s PAP, Papilioninae Z

URUGUAY **2021, July 27**

27p	Bellicose Bumblebee, *Bombus bellicosus* Smith	API, Apinae	B

VANUATU **2021** (Smithsonian Museum)

c	180v	Monarch, *Danaus plexippus* L., larva	NYM, Danainae	A

BEYOND THE CATALOGS:

CENTRAL AFRICAN REPUBLIC. 2021, July 30 (Stamperija CA-210312a&b)

a, 900fr	Diana Fritillary, *Speyeria diana* Cramer	NYM, Heliconiinae	A
b, 900fr	Asian Apollo, *Parnassius eversmanni* Menetries	PAP, Parnassiinae	A
c, 900fr.	Rocky Mountain Parnassian, *Parnassius smintheus* Doubleday	PAP, Parnassiinae	A
d, 900fr.	Great Spangled Fritillary, *Speyeria cybele* Fabr.	NYM, Heliconiinae	A
3600fr.	Nokomis Fritillary, *Speyeria nokomis* W.H. Edwards	NYM, Heliconiinae	A
Margins:	Orange Sulfur, *Colias eurytheme* Boisduval, ♂	PIE, Coliadinae	Z

2021, July30 (Stamperija CA-210313a&b)

a, 850fr	Royal Goliath Beetle, *Goliathus regius* Klug	SCA, Cetoniinae	A
b, 850fr	*Sphodrus leucophthalmus* L.	CAR, Harpalinae	A
c, 850fr	*Platygenia barbata* Afzelius	SCA, Cetoniinae	A
d, 850fr	Violin Beetle, *Mormolyce phyllode*s Hagenbach	CAR, Lebiinae	A
3300fr.	Hercules Beetle, *Dynastes hercules* L.	SCA, Dynastinae	A
Margin LL:	*Cissites maculata* Swederus	MEL, Nemognathinae	Z
R:	Wallace's Longhorn Beetle, *Batocera wallacei* Thomson	CER, Lamiinae	Z

CHAD **2021, April 14** (Stamperija TCH-210112a&b)

a 1100fr	Proserpina Leafwing, *Memphis proserpina schausiana* Godman & Salvin	NYM, Charaxinae	A
b 1100fr	Nokomis Fritillary, *Speyeria nokomis coerulescens* Holland	NYM, Heliconiinae	A
c 1100fr	Blue-spotted Satyr, *Drucina championi* Godman & Salvin	NYM, Satyrinae	A
Margin UL:	Butterfly	Nymphalidae	Z
UR:	Butterfly	Lycaenidae	Z
Bottom:	Butterfly	Nymphalidae	Z
3300fr.	Short-horned Baronia, *Baronia brevicornis* Salvin	PAP, Baroniinae	A
Margin UL:	Nokomis Fritillary, *Speyeria nokomis coerulescens* Holland	NYM, Heliconiinae	Z
LL:	Erybathis Hairstreak, *Laothus erybathis* Hewitson	LYC, Theclinae	Z
R:	Green-patch Swallowtail, *Battus laodamas* C&R Felder	PAP, Papilioninae	Z

2021 April 14. (Stamperija TCH-210113a&b)

a	1100fr	Top: *Polistes billardieri ruficornis* Saussure	VES, Polistinae	B
		Bottom: *Celonites abbreviatus* Villers	VES, Masarinae	B
b	1100fr	Top: *Celonites afer* Lepeletier	VES, Masarinae	B
		Bottom: *Polistes instabilis* Saussure	VES, Polistinae	B
c	1100fr	*Polistes carnifex* Fabr	VES, Polistinae	A
		Margin: 3 Wasps	Vespidae	Z
	3300fr	*Protopolybia sedula* Saussure	VES, Polistinae	A
	Margin UL:	Guinea Paper Wasp, *Polistes exclamans* Viereck	VES, Polistinae	Z
	LL:	*Polistes carnifex* Fabr.	VES, Polistinae	Z
	M-Top:	*Protopolybia sedula* Saussure	VES, Polistinae	Z
	LR:	*Masaris vespiformis* Fabr.	VES, Masarinae	Z

2021, April 14 (Baden-Powell) (Stamperija TCH-210126b)

3300fr.	Baden-Powell & family. No insect		-
Margin L:	Butterfly	Nymphalidae	Z
R:	Purple emperor, *Apatura iris* L.	NYM, Apaturinae	Z

DJIBOUTI **2021, May 20** (Stamperija DJB-210201a&b)

b	250fr	Beewolf Clerid, *Trichodes alvearius* Fabr.	CLE, Clerinae	A
c	250fr	*Rosalia batesi* Harold	CER, Cerambycinae	A
	1000fr	*Chrysomela populi* L.	CHR, Chrysomelinae	A
	Margin:	Nun Moth, *Lymantria monacha* L.	LYM, Lymantriinae	Z

2021, May 20 (Stamperija DJB-210206a)

a	250fr	Bee in bird's beak	Apidae	C
c	250fr	Dragonfly in bird's beak	Odonata	C

2021, May 20 (Stamperija DJB-210208a&b)

a	250fr	Green-spotted Swallowtail, *Graphium tynderaeus* Fabr.	PAP, Papilioninae	A
b	250fr	Eastern Tiger Swallowtail, *Papilio glaucus* L.	PAP, Papilioninae	A
c	250fr	Eastern Black Swallowtail, *Papilio polyxenes* Fabr.	PAP, Papilioninae	A
d	250fr	Chinese Peacock, *Papilio bianor* Cramer	PAP, Papilioninae	A
	Margin R:	African Giant Swallowtail, *Papilio antimachus* Drury	PAP, Papilioninae	Z
	Top:	Swallowtail silhouette	PAP, Papilioninae	Z
	1000fr	Striped Blue Crow, *Euploea mulciber* Cramer	NYM, Danainae	A
	Margin:	Queen Swallowtail, *Papilio androgeus* Cramer	PAP, Papilioninae	Z

GUINEA **2021, April 30** (Stamperija GU-210205a&b)

a	15,000fr	Garden Tiger Moth, *Arctia caja* L.	ARC, Arctiinae	A
b	15,000fr	Privet Hawkmoth, *Sphinx ligustri* L.	SPH, Sphinginae	A
c	15,000fr	Eyed Hawkmoth, *Smerinthus ocellatus* L.	SPH, Smerinthinae	A
d	15,000fr	Cream-spot Tiger Moth, *Epicallia villica* L.	ARC, Arctiinae	A
	60,000fr	Small Emperor Moth, *Saturnia pavonia* L.	SAT, Saturniinae	A
	Margin UL:	Spurge Hawkmoth, *Hyles euphorbiae* L., larva	SPH, Macroglossinae	Z
	ML:	Silver-striped Hawkmoth, *Hippotion celerio* L., larva	SPH, Macroglossinae	Z
	LL:	Oleander Hawkmoth, *Daphnis nerii* L., larva	SPH, Macroglossinae	Z
	UR:	Death's Head Hawkmoth, *Acherontia atropos* L.	SPH, Sphinginae	Z

2021, April 30 (Stamperija GU-210206a&b)

a	15,000fr	*Phryganea grandis* L.	*PHR, Phryganeinae	A
b	15,000fr	Small White-marmorated Longhorn, *Monochamus sutor* L.	CER, Lamiinae	A
c	15,000fr	Reddish-brown Stag Beetle, *Lucanus capreolus* L.	LUC, Lucaninae	A
d	15,000fr	Yellow-striped Flutterer, *Rhyothemis phyllis* Sulzer	LIB, Trameinae	A
	60,000fr	*Passalus interruptus* L.	PAS, Passalinae	A
	Margin UL:	*Palpares libelluloides* L.	MYR, Palparinae	Z
	Inner LL:	*Drepanepteryx phalaenoides* L.	*HEM, Drepanepteryginae	Z
	M-LL:	*Raphidia ophiopsis* L.	*RAPH, Raphidiidae	Z
	M-Bottom:	Common Scorpionfly, *Panorpa communis* L.	*PAN, Panorpinae	Z
	UR:	Shield-backed Jewel Bug, *Poecilocoris druraei* L.	SCU, Scutellerinae	Z

2021, April 30 (Stamperija GU-210207a&b)

a	15,000fr	Melantho Tigerwing, *Thyridia psidii melantho* Bates	NYM, Danainae	A
b	15,000fr	Red-washed Satyr, *Pierella helvina ocreata* Godman & Salvin	NYM, Satyrinae	A
c	15,000fr	*Selenophanes josephus* Godman & Salvin	NYM, Morphinae	A
d	15,000fr	Cream-spotted Tigerwing, *Tithorea tarricina* Hewitson	NYM, Danainae	A
	60,000fr	Scarlet Leafwing, S*iderone galanthis* Cramer	NYM, Charaxinae	A

GUINEA (continued)

	Margin L:	Mimic Tigerwing, *Melinaea lilis imitata* Bates	NYM, Danainae	Z
	UR:	A*ntirrhea pterocopha* Salvin & Godman	NYM, Morphinae	Z

2021, June 25 (Stamperija GU-210310a&b) U/I Butterflies at R on all stamps

a	20,000fr	Common Clubtail, *Atrophaneura coon* Fabr.	PAP, Papilioninae	A
b	20,000fr	Blue Emperor, *Papilio ulysses* L.	PAP, Papilioninae	A
c	20,000fr	New Guinea Birdwing, *Troides priamus* L.	PAP, Papilioninae	A
	60,000fr	Stinky Leafwing, *Historis odius* Fabr.	NYM, Nymphalinae	A
	Margin LL:	Mother of Pearl Morpho, *Morpho laertes* Druce	NYM, Morphinae	Z
	LR:	Purple Owl, *Caligo beltrao* Illiger	NYM, Morphinae	Z

2021, June 25 (Stamperija GU-210311a&b) U/I Butterflies at R on all stamps

a	20,000fr	Gray-patched Mining Bee, *Andrena nitida* Muellere, L: ♂, R: ♀	AND Andreninae	A
b	20,000fr	Orange-footed Flower Bee, *Halictus xanthopus* Kirby, L: ♀, R: ♂	HAL, Halictinae	A
c	20,000fr	*Halictus fulvipes* Klug, L: ♂, R: ♀	HAL, Halictinae	A
	60,000fr	Tawny Mining Bee, *Andrena fulva* Mueller, L: ♀, R: ♂	AND, Andreninae	A
	Margin:	Gray Mining Bee, *Andrena cineraria* L., L: ♂, R: ♀	AND, Andreninae	Z

GUINEA-BISSAU **2020, September 29** (Stamperija GB-200402a&b)

a	100fr	Atlas Moth, *Attacus atlas* L.	SAT, Saturniinae	AZ
b	500fr	African Moon Moth, *Actias mimosae* Boisduval	SAT, Saturniinae	AZ
c	750fr	Red Admiral, *Vanessa atalanta* L.	NYM, Nymphalinae	AZ
d	1500fr	New Guinea Birdwing, *Troides priamus* L.	PAP, Papilioninae	AZ
	3000fr	Sapho Longwing, *Heliconius sapho* Drury	NYM, Heliconiinae	A
	Margin:	Common Blue, *Polyommatus icarus* Rottemburg	LYC, Polyommatinae	Z

2020, September 29 (Stamperija GB-200403a&b)

a	100fr	Violet Carpenter Bee, *Xylocopa violacea* L.	API, Xylocopinae	AZ
b	500fr	Common Eastern Bumblebee, *Bombus impatiens* Cresson	API, Apinae	AZ
c	750fr	Giant Honeybee, *Apis dorsata* Fabr.	API, Apinae	AZ
d	1500fr	Buff-tailed Bumblebee, *Bombus terrestris* L.	API, Apinae	AZ
	3000fr	European Wool-carder Bee, *Anthidium manicatum* L.	MEG, Megachilinae	A
	Margin LL:	Giant Honeybee, *Apis dorsata* Fabr.	API, Apinae	Z
	UR:	African Honeybee, *Apis mellifera scutellata* Lepeletier	API, Apinae	Z
	LR:	Alfalpha Leaf-cutting Bee, *Megachile rotundata* Fabr.	MEG, Megachilinae	Z

2020, November 30 (Stamperija GB-200505a)

c	750fr.	Bee in bird's beak	Apidae	C

2021, March 15 (Stamperija GB-210107a&b)

a	100fr	Pale Owl, *Caligo telamonius memnon* C&R Felder	NYM, Morphinae	A
b	500fr	Automedon Giant Owl, *Eryphanis automedon* Cramer	NYM, Morphinae	A
c	750fr	*Catoblepia xanthus* L.	NYM, Morphinae	A
d	500fr	Green-eyed Owl, *Dynastor macrosiris strix* Bates	NYM, Morphinae	A
	3000fr	Theseus Morpho, *Morpho theseus* Deyrolle	NYM, Morphinae	A
	Margin LR:	Common Morpho, *Morpho helenor octavia* Bates	NYM, Morphinae	Z
	UL&LL:	Grenada Morpho, *Morpho deidamia granadensis* C&R Felder	NYM, Morphinae	Z

2021, March 15 (Stamperija GB-210108a&b)

a	100fr	Short-tailed Sister, *Adelpha diocles creton* Godman	NYM, Limenitidsinae	A

GUINEA-BISSAU (continued)

b	500fr	Orange-stained Leafwing, *Memphis philumena indigotica* Salvin	NYM, Charaxinae	A
c	750fr	Orange Mimic-swallowtail, *Papilio zagreus* Doubleday	PAP, Papilioninae	A
d	1500fr	Birchall's Swallowtail, *Papilio birchallii* Hewitson	PAP, Papilioninae	A
	3000fr	Aedon Agrias, *Agrias aedon* Hewitson	NYM, Charaxinae	A
	Margin UL:	Narrow-banded Shoemaker, P*repona pylene gnorima* Bates	NYM, Charaxinae	Z
	LL & LR:	King Shoemaker, *Archaeoprepona demophon* L.	NYM, Charaxinae	Z

2021, July 12 (Stamperija GB-210206a&b)

a	660fr	Small Tortoiseshell, *Nymphalis urticae* L.	NYM, Nymphalinae	A
b	60fr	Peacock, *Nymphalis io* L.,	NYM, Nymphalinae	A
c	660fr	Red Admiral, *Vanessa atalanta* L.,	NYM, Nymphalinae	A
d	660fr	Kite Swallowtail, *Iphiclides podalirius* L.	PAP, Papilioninae	A
e	660fr	Poplar Admiral, *Limenitis populi* L.	NYM, Limenitidinae	A
	Margin:	Old World Swallowtail, *Papilio machaon* L.	PAP, Papilioninae	Z
	3300fr	Old World Swallowtail, *Papilio machaon* L.	PAP, Papilioninae	A
	Margin L:	Peacock, *Nymphalis io* L.	NYM, Nymphalinae	Z
	Mid-Top:	Kite Swallowtail, *Iphiclides podalirius* L.	PAP, Papilioninae	Z
	UR:	Painted Lady, *Vanessa cardui* L.	NYM, Nymphalinae	Z
	LR:	Poplar Admiral, *Limenitis populi* L.	NYM, Limenitidinae	Z

2021, July 12 (Stamperija GB-210207a&b)

a	660fr	Wood Tiger Moth, *Parasemia plantaginis* L.	ARC, Arctiinae	A
b	660fr	Ruby Tiger Moth, *Phragmatobia fuliginosa* L.	ARC, Arctiinae	A
c	660fr	Scarlet Tiger Moth, *Callimorpha dominula* L.	ARC, Arctiinae	A
d	660fr	Small Emperor Moth, *Saturnia pavonia* L.	SAT, Saturniinae	A
e,	660fr	Cream Spot Tiger Moth, *Epicallia villica* L.	ARC, Arctiinae	A
	Margin M-Top & Center:	2 Hawkmoths	Sphingidae	Z
	3300fr	Lime Hawkmoth, *Mimas tiliae* L.	SPH, Smerinthinae	A
	Margin UL:	Small Lappet Moth, *Phyllodesma ilicifolia* L.	LAS, Lasiocampinae	Z
	LL:	Cinnabar Moth, *Tyria jacobaeae* L.	ARC, Arctiinae	Z
	UR:	Nun Moth, *Lymantria monacha* L.	LYM, Lymantriinae	Z
	LR:	Garden Tiger Moth, *Arctia caja* L.	ARC, Arctiinae	Z
	M-Top:	2 Hawkmoths	Sphingidae	Z

MALDIVE ISLANDS **2020, July 21** (Stamperija MLD-200205a&b)

a	20r	African Honeybee, *Apis mellifera scutella*ta Lepeletier	API, Apinae	A
b	20r	Metallic Green Sweat Bee, *Augochloropsis metallica* Fabr.	HAL, Halictinae	A
c	20r	Eastern Carpenter Bee, *Xylocopa virginica* L.	API, Xylocopinae	A
d	20r	Violet Carpenter Bee, *Xylocopa val*ga Gerstaecker	API, Xylocopinae	A
	Margin:	Eastern Carpenter Bee, *Xylocopa virginica* L.	API, Xylocopinae	Z
	60r	Brown Bumblebee, *Bombus pascuorum* Scopoli	API, Apinae	A
	Margin:	Western Honeybee, *Apis mellifera* L.,	API, Apinae	Z

MOZAMBIQUE **2021, May 25** (Stamperija MOZ-210110a&b1-4)

a	132m	Grand Banner, *Epiphile grandis* Butler	NYM, Biblidinae	A
b	132m	Noble Leafwing, *Fountainea nobilis* Bates	NYM, Charaxinae	A

MOZAMBIQUE (continued)

c	132m	Shining Purplewing, *Eunica alpais excelsa* Godman & Salvin	NYM, Biblidinae	A
d	132m	Bluewing, *Myscelia ethusa* Doyere	NYM, Biblidinae	A
b1	232m	Bluewing, *Myscelia ethusa* Doyere	NYM, Biblidinae	A
b2	232m	Grand Banner, *Epiphile grandis* Butler	NYM, Biblidinae	A
b3	232m	Noble Leafwing, *Fountainea nobilis* Bates	NYM, Charaxinae	A
b4	232m	Shining Purplewing, *Eunica alpais excelsa* Godman & Salvin	NYM, Biblidinae	A

ST. THOMAS & PRINCE IS. **2020, June 8** (Stamperija ST-200411a&b)

a	31,000d	Forest Giant Owl Butterfly, *Caligo eurilochus* Cramer	NYM, Charaxinae	A
b	31,000d	Clipper, *Parthenos sylvia* Cramer	NYM, Limenitidinae	A
c	31,000d	Banded Blue Morpho, *Morpho achilles* L.	NYM, Morphinae	A
d	31,000d	Golden Birdwing, *Troides aeacus* C&R Felder	PAP, Papilioninae	A
	124,000d	Madagascan Sunset Moth, *Chrysiridia rhipheus* Drury	URA, Uraniinae	A
	Margin:	Old World Swallowtail, *Papilio machaon* L.	PAP, Papilioninae	Z

2020, September 25 (Stamperija ST-200509a&b)

a	31,000d	Buff-tailed Bumblebee, *Bombus terrestris* L.	API, Apinae	A
b	31,000d	Hairy-footed Flower Bee, *Anthophora plumipes* Pallas	API, Apinae	A
c	31,000d	Tawny Mining Bee, *Andrena fulva* Mueller	AND, Andreninae	A
d	31,000d	Brown Bumblebee, *Bombus pascuorum* Scopoli	API, Apinae	A
	124,000.	Western Honeybee, *Apis mellifera* L. Also in UR margin	API, Apinae	A
	Margin LR:	Giant Honeybee, *Apis dorsata* Fabr.	API, Apinae	Z

2020, September 25 (Stamperija ST-200510a&b)

	4x31,000d	Stylized *Anopheles sp.*	CUL, Anophelinae	B
	124,000d	African Malaria Mosquito, *Anopheles gambiae* Giles	CUL, Anophelinae	B
	Margin:	Stylized *Anopheles sp*.	CUL, Anophelinae	Z

2021, June 25 (Stamperija ST-210214a&b)

a	31,000d	Green-celled Cattleheart, *Parides childrenae* Gray	PAP, Papilioninae	A
b	31,000d	White-dotted Cattleheart, *Parides alopiu*s Godman & Salvin	PAP, Papilioninae	A
c	31,000d	Green Patch Swallowtail, *Battus laodamas* C&R Felder	PAP, Papilioninae	A
d	31,000d	Cattleheart, *Parides eurimedes* Stoll	PAP, Papilioninae	A
	124,000d	*Caerois chorinaeus* Fabr.,	NYM, Morphinae	A
	Margin LL:	Green Patch Swallowtail, *Battus laodamas* C&R Felder	PAP, Papilioninae	Z
	UR:	White-dotted Cattleheart, *Parides alopius* Godman & Salvin	PAP, Papilioninae	Z
	LR:	Staudinger's Owl, *Opoptera staudingeri staudingeri* Godman & Salvin	NYM, Morphinae	Z

2021, June 25 (Stamperija ST-210215a&b)

a,	31,000d.	Red Bartsia Bee, *Melitta tricincta* Kirby	*MELT, Melittinae	A
b,	31,000d.	Field Cuckoo Bumblebee, *Bombus campestris* Panzer	API, Apinae	A
c,	31,000d.	Southern Cuckoo Bumblebee, *Bombus vestalis* Geoffroy	API, Apinae	A
d,	31,000d.	Yellow Loose-strife Bee, *Macropis europaea* Warncke	*MELT, Dasypodinae	A
	124,000d.	Western Honeybee, *Apis mellifera* L.	API, Apinae	A
	Margin LL:	Hairy-legged Mining Bee, *Dasypoda hirtipes* Fabr.	*MELT, Dasypodinae	Z
	M-Top:	*Bombus fragrans* Pallas	API, Apinae	Z
	UR:	Shrill Carder Bumblebee, *Bombus sylvarum* L.	API, Apinae	Z
	LR:	Large Garden Bumblebee, *Bombus ruderatus* Fabr.	API, Apinae	Z

ST. THOMAS & PRINCE (continued)

2021, June 25 (Stamperija ST-210216a&b)

a, 31,000d	Red Palm Weevil, *Rhynchophora ferrugineus* Olivier,	DRY, Rhynchophorinae	A
b, 31,000d	*Necrodes littoralis* L.	SIL, Silphinae	A
c, 31,000d	*Margarinotus merdarius* Hoffmann	HIS, Histerinae	A
d, 31,000d	Gold-striped Jewel Beetle, *Buprestis splendens* Fabr.	BUP, Buprestinae	A
124,000d	Spotted Tiger Ground Beetle, *Carabus pustulifera* Lucas	CAR, Carabidinae	A
Margin UL	Two-striped Grasshoppeer, *Melanoplus bivittatus* Say	ACR, Melanoplinae	Z
Bottom:	Northern Spotted or Foam Grasshopper, *Aularches miliaris* L.	PYRG, Pyrgomorphinae	Z

TOGO **2021, March 25** (Stamperija TG-210107a&b)

a	800fr	Mottled Purplewing, *Eunica caelina augusta* Bates	NYM, Biblidinae	A
b	800fr	Banded Mapwing, *Hypanartia dione* Latreille	NYM, Nymphalinae	A
c	800fr	Red-washed Satyr, *Pierella helvina* Hewitson	NYM, Satyrinae	A
d	800fr	Magnificent Swallowtail, *Papilio garamas* Geyer	PAP, Papilioninae	A
3300fr.		Orange-spotted Prepona, P*repona deiphile brooksiana* Godman & Salvin	NYM, Charaxinae	A
Margin UR:		Tiger Longwing, *Heliconius hecale melicert*a Bates	NYM, Heliconiinae	Z
LL & LR:		Eastern Tiger Swallowtail, *Papilio glaucu*s L.	PAP, Papilioninae	Z

2021, March 25 (Stamperija TG-210108a&b)

a	800fr	3-Banded Scoliid Wasp, *Diesis trifasciat*a Fabr.	SCO, Scoliinae	A
b	800fr	Tree Bumblebee, *Bombus hypnorum* L.	API, Apinae	A
c	800fr	Broken-belted Bumblebee, *Bombus soroeensis* Fabr.	API, Apinae	A
d	800fr	Asian Giant Hornet, *Vespa mandarinia* Smith	VES, Vespinae	A
	3300fr	Horse Guard, *Stictia signata* L.	CRA, Bembicinae	A
Margin LL:		Greater Banded Hornet, *Vespa tropica* L.	VES, Vespinae	Z
UR & MR:		Hill Cuckoo Bee, *Bombus rupestris* Fabr. Psithyrus of some	API, Apinae	Z

2021, March 25 (Stamperija TG-210109a&b)

a	800fr	Green Black Scarab Dung Beetle, *Diabroctis mimas* L.	SCA, Scarabaeinae	A
b	800fr	*Orthomegas cinnamomeus* L.	CER, Prioninae	A
c	800fr	Man-faced Bug, *Catacanthus incarnatus* Drury	PEN, Pentatominae	A
d	800fr	*Poecilocoris druraei* L.	SCU, Scutellerinae	A
	3300fr	Japanese Rhinoceros Beetle, *Allomyrina dichotoma* L., ♂	SCA, Dynastinae	A
Margin LL:		Giant Goliathus Beetle, *Goliathus goliatus* Drury	SCA, Cetoniinae	Z
	UR:	Harlequin Beetle, *Acrocinus longimanus* L.	CER, Lamiinae	Z

2021, June 25 (Stamperija TG-210207a&b)

a	800fr	Pale Oak Beauty, *Hypomecis punctinalis* Scopoli	GEO, Ennominae	A
b	800fr	Red Sword-grass Moth, *Xylena vetusta* Hubner	NOC, Xyleninae	A
c	800fr	Magpie Moth, *Abraxas grosssulariata* L.	GEO, Ennominae	A
d	800fr	Oak Beauty, *Biston strataria* Hufnagel	GEO, Ennominae	A
	3300fr	6-Spot Burnet Moth, *Zygaena filipendulae* L.	ZYG, Zygaeninae	A
Margin LL:		Goat Moth, *Cossus cossus* L.	COSS, Cossinae	Z
	UR:	Magpie Moth, *Abraxas grosssulariata* L.	GEO, Ennominae	Z

2021, June 25 (Stamperija TG-21,0208a&b)

a	800fr	*Elimus australis* Saussure	EUM, Eumeninae	A
b	800fr	*Eumenes coronatus* Panzer	EUM, Eumeninae	A

TOGO (continued)

c	800fr *Synagris cornuta* L., ♂	EUM, Eumeninae	A
d	800fr *Zethus chrysopterus* Saussure	EUM, Eumeninae	A
	3300fr *Raphiglossa filiformis* Saussure	EUM, Eumeninae	A
Margin UL:	*Eumenes ornatus* Saussure	EUM, Eumeninae	Z
LL:	*Zethus chrysopterus* Saussure	EUM, Eumeninae	Z
UR:	*Eumenes parvulus* Saussure	EUM, Eumeninae	Z

New Family Abbreviations:

ASC = Ascalaphidae
COSS = Cossidae
HEM = Hemerobiidae
MELT = Melittidae
PAN = Panorpidae
PHR = Phryganeidae
RAPH = Raphidiidae
ERE = Eremiaphilidae

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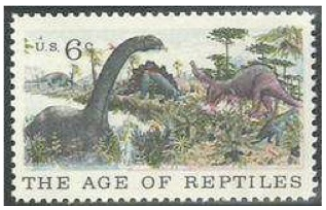


PALEONTOLOGY

Editor

Michael Kogan, BU 1863

New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code

Italy 2021 May 24 "Treasures of the Alta Murgia National Park" (M/S 5)
M/S of 5 self-adhesive stamps with face value of "B" - domestic letter with weight of up to 20gr., €1.10 on the date of issue

Dinosaur tracks from the Dinosaur Quarry of Altamura, also known as cava dei dinosauri or cava Pontrelli, is an area of scientific interest located in the countryside near the city of Altamura, Italy.

Altamura Man is a fossil of the genus *Homo* discovered in 1993 in a karst sinkhole in the Lamalunga Cave near the city of Altamura, Italy.

More details are here: http://www.paleophilatelie.eu/description/stamps/italy_2021.html

---- Stamps of Stamperija, this time extremely many stamps are produced ----

CENTRAL AFRICAN REP. **2021 July 30** (Dinosaurs) M/S 4 & S/S 1 [*1]

900fr	†*Baryonyx walkeri*	†Spinosauridae	A MS
900fr	†*Iguanodon bernissartensis*	†Iguanodontidae	A MS
900fr	†*Nipponosaurus sachalinensis*	†Hadrosauridae	A MS
900fr	†*Deinonychus antirrhopus*	†Dromaeosauridae	A MS
3600fr	†P*elecanimimus polyodon*	Clade: Theropoda	A SS
Margin:	†*Dimorphodon macronyx*	†Dimorphodontidae	A SS Z

CHAD **2021 April 14 (Dinosaurs)** M/S 3 & S/S 1 [*1]

1100fr	†*Pentaceratops sternbergii*	†Ceratopsidae	A MS
1100fr	†*Stegosaurus stenops*	†Stegosauridae	A MS
1100fr	†*Torosaurus latus*	†Ceratopsidae	A MS
Margin:	†*Maiasaura peeblesorum*	†Hadrosauridae	A MS Z
3300fr	†*Anchiceratops ornatus*	†Ceratopsidae	A MS
Margin:	†*Tyrannosaurus rex*	†Tyrannosauridae	A SS Z

2021 April 14 (Prehistoric humans) M/S 3 & S/S 1 [*1]

1100fr	†*Homo erectus*	Hominidae	A MS
1100fr	*Homo sapiens sapiens*	Hominidae	A MS
1100fr	†*Homo neanderthalensis*	Hominidae	A MS
Margin:	primitive tools		A MS Z
3300fr	†*Homo habilis*	Hominidae	A SS
Margin:	group of †*Homo habilis* hunting Mammoth	Hominidae	A SS Z

DJIBOUTI **2021 May 20** (Flying dinosaurs) M/S 4 & S/S 1 [*1] [*2]

250fr	†*Rhamphorhynchus muensteri*	†Rhamphorhynchidae	A MS
250fr	†*Dsungaripterus weii*	†Dsungaripteridae	A MS
250fr	†*Ornithodesmus latidens*	†Unenlagiidae	A MS
250fr	†*Pterodactylus simus*	Suborder: †Pterodactyloidea	A MS
1000fr	†*Pterodactylus antiquus*	Suborder: †Pterodactyloidea	A SS
Margin:	†*Quetzalcoatlus northropi*	†Azhdarchidae	A SS Z

GUINEA **2021 June 25** (Extinct species) M/S 3 & S/S 1 [*1]

20,000fr	†*Phenacodus primaevus*	†Phenacodontidae	A MS
20,000fr	†*Arsinoitherium zitteli*	†Arsinoitheriidae	A MS
20,000fr	†*Coryphodon eocaenus*	†Coryphodontidae	A MS
60,000fr	†*Tetheopsis ingens*	†Uintatheriidae	A SS
Margin:	†*Hipparion prostylum*	Equidae	A SS Z
	†*Hippidion principale*	Equidae	A SS Z

2021 June 25 (Fossils) M/S 3 & S/S 1 [*1]

20,000fr	†*Istieus macrocephalus*	Order: Albuliformes	A MS
20,000fr	*Cobitis cephalotes*	Cobitidae	A MS
20,000fr	†*Cybium macropomum*		
60,000fr	†*Istiophorus sp.*	Istiophoridae	A SS
Margin:	fish fossils		

GUINEA (continued)

2021 June 25 (Prehistoric human) (M/S 3 & S/S 1) [*1]

20,000fr	First farmers	Hominidae	A MS
20,000fr	Cro-Magnon men	Hominidae	A MS
20,000fr	Neanderthals	Hominidae	A MS
60,000fr	First farmers	Hominidae	A SS

2021 June 25 (Flying dinosaurs) M/S 3 & S/S 1 [*1] [*2]

20,000fr	†*Pterodactylus antiquus*	Suborder: †Pterodactyloidea	A MS
20,000fr	†*Diopecephalus kochi*	Suborder: †Pterodactyloidea	A MS
20,000fr	†*Pterodaustro guinazui*	†Ctenochasmatidae	A MS
60,000fr	†*Pterodactylus simus*	Suborder: †Pterodactyloidea	A SS
Margin:	†*Anhanguera blittersdorffi*	†Anhangueridae	A SS
	†*Cearadactylus atrox*	†Anhangueridae	A SS Z
	†*Tropeognathus mesembrinus*	†Anhangueridae	A SS Z
	†*Anhanguera blittersdorffi*	†Anhangueridae	A SS Z

MOZAMBIQUE **2021 May 25** (Dinosaurs) M/S 4 & S/S 4 [*1]

132mt	†*Chilantaisaurus tashuikouensis*	Clade: Theropoda	A MS
132mt	†*Fukuisaurus tetoriensis* Clade:	†Ornithopoda	A MS
132mt	†*Acrocanthosaurus atokensis*	†Carcharodontosauridae	A MS
132mt	†*Nanshiungosaurus brevispinus*	†Therizinosauridae	A SS
232mt	The same stamps as in the Minisheet, but with different face value.		

SÃO TOMÉ AND PRÍNCIPE **2021 June 25** (Dinosaurs) M/S 4 & S/S 4 [*1]

31d	†*Diplodocus longus*	†Diplodocidae	A MS
31d	†*Styracosaurus albertensis*	†Ceratopsidae	A MS
31d	†*Maiasaura peeblesorum*	†Hadrosauridae	A MS
31d	†*Dicraeosaurus hansemanni*	†Dicraeosauridae	A MS
124d	†*Nodosaurus textilis*	†Nodosauridae	A SS
Margin:	†*Batrachognathus volans*	†Anurognathidae	A SS Z
	†*Neuquensaurus australis*	†Saltasauridae	A SS Z

TOGO **2021 June 25** (Prehistoric Water Animals) M/S 4 & S/S 1 [*1]

800fr	†*Hurdia victoria*	†Hurdiidae	A MS
800fr	†*Pterygotus anglicus*	†Pterygotidae	A MS
800fr	†*Bothriolepis canadensis*	†Bothriolepididae	A MS
800fr	†*Paradoxides sp*.	†Paradoxididae	A MS
3300fr	†*Anomalocaris canadensis*	†Anomalocarididae	A SS
Margin:	†*Paradoxides sp*.	†Paradoxididae	A SS Z
	†Ammonoid	Subclass: †Ammonoidea	A SS Z

Penrhyn Island of Cook Islands 2021 July "Best of the Smithsonian" (M/S 6 x2)
40c - A sketch of a skull of Triceratops

Penrhyn atoll, also called Tongareva, is the most northerly of the Cook Islands. At one time, this atoll had the largest population in the Cook Islands. The Polynesians discovered and settled the island at least 800 years ago. Sadly, the atoll was almost completely depopulated by Peruvian slavers in 1864. Annexed by Great Britain in 1888, the atoll came under New Zealand administration in 1901. Penrhyn has several schools, a hospital, and an airstrip, which were built during World War II. In 2016 the population of the atoll was about 220.

Philatelic Collector Inc. prints several issues per year on the behalf of the atoll. The philatelic value of these stamps is doubtful, even though they are listed in the major stamp catalogs.

A sketch of a skull of *Triceratops* is depicted on a stamp from the mini-sheet "Best of the Smithsonian". The Smithsonian is one of the major Natural History of USA, first appeared on the stamp in 1946. *Triceratops* has nothing to do with the Penrhyn atoll or the Cook islands, as its fossils were discovered in North America only.

Other stamps to consider

Portugal 2021 July 02 "Protected Areas In Portugal"
€0.84 - Serras de Aire e Candeeiros Nature Park Fossil bivalve Jurassic in age depicted on one of the stamps "Protected Areas In Portugal", with landscape of Serras de Aire e Candeeiros Nature Park.

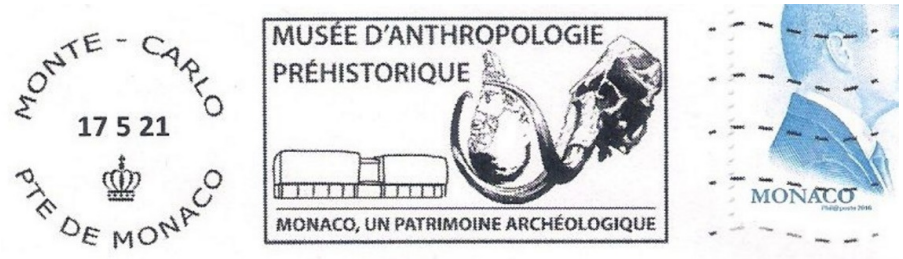
The bivalves are a large class of molluscs, also known as pelecypods. They have a hard calcareous shell made of two parts or 'valves'. The soft parts are inside the shell. The shell is usually bilaterally symmetrical.
The fossil bivalve on the stamp is unfortunately not recognizable.

Postmarks

Czech Republic 2021 July 01 – “40 years since death of famous painter Zdenek Burian” - *Buranosaurus augustai* dinosaur on R-label.

Italy 2021 July 04 “Paleontologic festival in Vestananova" – fossil of prehistoric fish

Monaco 2021 May 17 "Institut de paleontologie humaine" - the Museum building, mammoth skull, flint tool.



Future issues

November 2021 - Poland - set of three stamps (Dinosaurs).
tentative 2022 - Armenia - "Flora and fauna of the ancient world (VI)" - Insects
tentative 2022 - Kyrgyzstan - Dinosaurs

Notes:
[*1] - Commercial issue: stamps are issued with only one purpose - to sell for collectors. Stamps of countries who issued too many or too expensive stamps. Not recommended for serious collectors.

[*2] - Flying dinosaurs is wrong term, as dinosaurs per definition are terrestrial animals. The flying reptiles called Pterosaurs. Flying dinosaurs is not a correct term to apply to the animals shown on these stamps.
The animals pictured are pterosaurs. Pterosaurs are a group of flying reptiles in the Archosauria. Reptiles in the archosaurs include crocodiles, dinosaurs, and pterosaurs.

If you know about any recent or feature Paleontology related stamp not listed above, please send a short message to our Associated Editor Mr. Michael Kogan admin@paleophilatelie.eu or per post to the magazine, address is on the beginning of the magazine.

Images and description of all stamps, postal stationeries and postmarks mentioned above can be seen on the following website: http://www.paleophilatelie.eu/year/current.html (2021)

BIOLOGY REFERENCE WEBSITES

This section contains a listing of web links to on-line references relating to biology topics on stamps and general philatelic information. We are providing this information to assist members in research and not to endorse the sites listed in any way. If readers know of, or use other useful sites, please send the links to your editor and we will include them in future editions. New or changed entries since the last publication are indicated with an asterisk (*).

STAMP ISSUES

Collectors Club of Chicago: Philatelic Encyclopedia. A comprehensive compendium of definitions for philatelic terms and topics including those in more than 40 foreign languages. The parent site has many additional reports and references. Portions are still under construction.
https://www.collectorsclubchicago.org/philatelic-encyclopedia/

Delcampe. Worldwide listings and illustrations of stamps for sale. They have revised their website to make it more user-friendly. *http://www.delcampe.net/en_GB/marketplace/stamps/*

eBay. Worldwide listings and illustrations of stamps, covers, postcards, and other collectibles for sale. *http://www.ebay.com/*

IGPC. Formerly Cyber Stamps. On-line postage stamp catalogue of worldwide topical issues. *https://www.igpc.com/*

Neofila. Modern issues from Russia, Eastern Europe, and Baltic States. Also includes some African countries. *http://www.neofila.com/*

Stamp Collection. On-line postage stamp catalogue of worldwide issues. Includes production information. *http://colnect.com/en/stamps/countries*

Stamperija. Listings and illustrations of thematic issues from countries located in Africa, Asia, and Oceania produced by Stamperija, Ltd., under contract to several postal administrations. Requires registration, login. *http://www.stamperija.eu/*

Stamp World. Listings and illustrations of issues from all countries by year. Includes production information. Requires free registration and login. *http://www.stampworld.com/en/maps/Europe/*

Virtual Stamp Club. Latest news from the world of stamp collecting. Links to other stamp collecting sites and the websites of almost every other collector society or major club.
http://www.virtualstampclub.com/

Zillions of Stamps. Worldwide listings and illustrations of stamps for sale.
h*ttp://www.zillionsofstamps.com/*

GENERAL

American Philatelic Society. Listings of dealers, local clubs, stamp shows, and other philatelic events. *http://stamps.org/*

American Topical Association. Topical collecting and exhibiting information, youth activities, checklists. *https://americantopical.org*

Collect 4 All. Listings of stamps for sale by country and theme. Includes spectrum of animal stamps. *http://www.collect4all.com/*

Exploring Stamps. Interesting and professional videos produced by videographer Graham Beck on all sorts of stamp collecting topics.
https://www.youtube.com/channel/UCkeSM6aOWfaUPIGb5rPOGyA

The Philatelist. A blog by a philatelic journalist in Portugal. Displayed in several selectable languages. Contains current philatelic news stories and links to archives with past stories. Also

includes links to dozens of other world-wide philatelic websites. Philatelic publication reviews.
http://o-filatelista.blogspot.com/

Tree of Life Web Project. Worldwide collaborative effort to map the genome of every organism on earth and to establish their relationships to one another. *http://www.tolweb.org/tree*

BOTANY:

Fungal Biodiversity Institute. Dutch site under the Royal Netherlands Academy of Science and Arts dealing with the taxonomy and evolution of fungi. Includes searchable taxonomic databases.
http://www.cbs.knaw.nl/

Garden Guides. Replacement site for www.botany.com. All kinds of information about plants including cultivation. Listings by common name or scientific name. Grouped by plant types.
http://www.gardenguides.com/

International Association for Plant Taxonomy. Links for the standard international codes on taxonomy and nomenclature for algae, fungi, and plants.
http://www.iapt-taxon.org/nomen/main.php

ENTOMOLOGY:

Antbase. On-line databases maintained by the American Museum of Natural History and Ohio State University listing all the ant species of the world. *http://www.antbase.org/index.htm*

Australian National Insect Collection. Listings of Common and Scientific Names, systematic listing, and author abbreviations. *http://www.ces.csiro.au/aicn/intro.htm*

Bug Guide. Identification, images, and information for insects, spiders, and their kin for the United States and Canada. *https://bugguide.net/node/view/15740*

Cerambycidae. Species listing and illustrations of Cerambycidae of the West Palearctic Region organized by subfamily and tribe. *http://www.cerambyx.uochb.cz/*

E**ntomological Data Information System.** Internet links to many worldwide websites dealing with biology and ecology, especially Lepidoptera. *http://www.globis.insects-online.de*

Entomology Today. Entomological Society of America site reporting interesting discoveries in insect science, entomological society news and events, and related articles.
https://entomologytoday.org/

FUNET. Finnish university share network site containing updated taxonomic listings for insects, especially Lepidoptera. It also has limited listings for mammals, birds, and plants.
http://www.nic.funet.fi/pub/sci/bio/life/intro.html

Natural History Museum. British site containing Lepidoptera generic names and type species listings. *http://www.nhm.ac.uk/our-science/data/butmoth/*

Odonata Society. German site containing listings of Odonata species found in Europe (in German).
http://www.libellula.org/

World Bee Genera. UC Riverside site containing listing of all bee generic names and synonyms by family and subfamily current as of September 2007.
http://cache.ucr.edu/~heraty/beepage.html

HERPETOLOGY:

AmphibiaWeb. Provides access to information on amphibian declines, conservation, natural history, and taxonomy. Includes an on-line database of species and links to many related sites.
http://amphibiaweb.org/index.html

The Reptile Database. Uetz, P. (Ed.). Taxonomic database that provides basic information about all living reptile species, such as turtles, snakes, lizards, and crocodiles, as well as tuataras and amphisbaenians. It does not include dinosaurs. *http://reptile-database.reptarium.cz/*

Society of the Study of Amphibians and Reptiles. Website devoted to herpetology research and conservation. Database of North American species names. *https://ssarherps.org/*

Turtle Meter Stamps. Updated website containing a worldwide catalog of meter stamps and meter marks the depict turtles and tortoises based on the owners collection of more than 220 items. There is an image of each meter with some short comments on its use and scarcity in English, Italian, and French. *http://turtlemeterstamp.altervista.org/*

World-Wide List of Turtles and Tortoises on Stamps. This on-line listing was produced by Donald N. Riemer, a former member of the Biology Unit and contributor to this journal, who passed away in June 2012. The site contains a checklist of stamps by country along with appendixes listing labels, cinderellas, turtle look-alike stamps, and post offices with "turtle" or "tortoise" in their name. *http://www.personal.psu.edu/crr2/turtstmp/*

ICHTHYOLOGY:

All Tropical Fish. Provides information on marine fishkeeping, corals, invertebrates, and freshwater fish. Offers fish forums, community and article and photo upload.
http://www.alltropicalfish.com/

Burke Museum Ichthyology. Database of the museum's archival collection of more than 11 million specimens.
http://www.burkemuseum.org/research-and-collections/ichthyology

FishBase. A searchable database developed at the WorldFish Center in Taiwan in collaboration with the Food and Agriculture Organization of the United Nations. Contains all you ever wanted to know about fishes. *http://fishbase.sinica.edu.tw/home_tw.htm*

MAMMALS:

Feline Philately Homepage. All sorts of cat stamps, postmarks, and related articles.
http://www.catstamps.org/

Mammal Species of the World. On-line database of worldwide mammal species hosted by the Smithsonian National Museum of Natural History.
http://vertebrates.si.edu/mammals/index.html

ORNITHOLOGY:

Birds of the World. All sorts of bird stamps by country and species, including new issues.
http://www.bird-stamps.org/

Bird Stamp Society. Website of an organization catering to collectors of bird stamps. They publish a quarterly journal that lists new birds on stamps. *http://www.birdstampsociety.org/index.html*

Theme Birds on Stamps. All sorts of bird stamps by country and species, including new issues. *http://www.birdtheme.org/*

PALEONTOLOGY:

Dinosaur Illustrations. Galleries of dinosaur illustrations by species. Includes links to paleontology stamp sites and other related sites. *http://www.search4dinosaurs.com/*

Paleophilatelie. Edited by our Paleontology Editor, Michael Kogan. Catalogue of Paleontology related philatelic items, such as paleontologists, fossils, prehistoric animals, dinosaurs, early man, and museums on official post stamps, envelopes, and post cards. Contains links to related news items and sites. *http://www.paleophilatelie.eu/index.html*

GLOSSARY OF TERMS

This section lists the definitions of acronyms, abbreviations, and code letters used throughout this journal. This listing does not include abbreviations used for the name of a taxonomic author, or commonly used symbols.

Checklist Codes:

Br	Branch
Fl	Flowers (with or without other plant parts)
Fr	Fruit (including seeds, nuts, grains, etc.)
FrV	Grain head with sheaf or stalk
L	Lichen
M	Mushroom or fungus
T	Trees (without flowers or fruit)
V	Various (vines, vegetables, roots, leaves, etc.)
Wr	Wreath
Wr*	Head wreath (or chaplet)

A	Subject is the primary design element
B	Subject is only part of the main design
C	Subject is a minor representation
G	Subject is a generalized depiction
R	Related subject (e.g., scientist, equipment)
S	Subject is a stylized or symbolic depiction
U	Subject is unidentified or unidentifiable
X	Subject is a lookalike (e.g., mushroom cloud)
Z	Subject is in the Margin or selvage
*	Subject is natural color (no longer in use)

Acronyms and Abbreviations:

AAPE	American Association of Philatelic Exhibitors
anniv	anniversary
APC	American Philatelic Center (Bellefonte, PA)
APS	American Philatelic Society
ATA	American Topical Association
bklt	booklet
Cap	captioned
CTO	canceled to order
CTR	center position indicator
DS	deluxe sheet
Ed.	Editor
Expo	Exposition
horiz	horizontal orientation
imperf	imperforate
inscr	inscribed
Intl.	International
L	left position indicator
litho	lithography
LL	lower left position indicator
LR	lower right position indicator
Mi#	Michel Catalog number
mm	millimeter
MS	miniature sheet
ML	middle left position indicator
MR	middle right position indicator
N/A	not applicable (or not available)
nd	non-denominated
NTSS	National Topical Stamp Show
NWF	National Wildlife Federation
ovpt	overprinted
perf	perforated
photo	photogravure
ptg	painting or artwork
R	right position indicator
s/a	self-adhesive
Sc#	Scott Catalogue number
s-o-s	stamp on stamp
sp.	species
SS	souvenir sheet
ssp.	sub-species
s/t	se-tenant
surch	surcharged
UL	upper left position indicator
unwmk	un-watermarked
UPU	Universal Postal Union
UR	upper right position indicator
US	United States
USPOD	United States Post Office Department
USPS	United States Postal Service
var.	variety
vert	vertical orientation
Vol	Volume
wmk	watermarked
WWF	World Wildlife Federation
Yv#	Yvert & Tellier Catalog number
♂	male symbol
♀	female symbol
☠	poisonous/venomous symbol
†	Extinct

Entomology Family Abbreviations:

ACR Acrididae
AES Aeshnidae
AND Andrenidae
ANO Anobiidae
ANT Anthicidae
API Apidae
ARC Arctiidae
ASC Ascalaphidae
BEL Belostomatidae
BLA Blattidae
BRA Brahmaeidae
BRAC Braconidae
BUP Buprestidae
CAL Calopterygidae
CAN Cantharidae
CAR Carabidae
CAS Castniidae
CER Cerambycidae
CHR Chrysomelidae
CHRY Chrysopidae
CIC Cicadellidae
CICA Cicadidae
COC Coccinellidae
COE Coenagrionidae
COR Corydalidae
CORD Cordulegastridae
CORE Coreidae
COS Cosmopterigidae
COSS Cossidae
CRA Crabronidae
CRAM Crambidae
CUL Culicidae
CUR Curculionidae
DER Dermestidae
DRO Drosophilidae
DYT Dytiscidae
ELA Elateridae
FOR Formicidae
ENC Encyrtidae
ERE Eremiaphilidae
FUL Fulgoridae
GEO Geometridae
GEOT Geotrupidae
GOM Gomphidae
GRA Gracillariidae
GRY Gryllidae
GRYA Gryllacrididae
HAL Halictidae
HEM Hemerobiidae
HES Hesperiidae
HYM Hymenopodidae
ICH Ichneumonidae
LAM Lampyridae
LAS Lasiocampidae
LIB Libellulidae
LIM Limacodidae
LUC Lucanidae
LYC Lycaenidae
LYG Lygaeidae
LYM Lymantriidae
MAN Mantidae
MEG Megachilidae
MELI Melittidae
MEL Meloidae
MELT Melittidae
MEM Membracidae
MIR Miridae
MUS Muscidae
MYR Myrmeleontidae
NOC Noctuidae
NOL Nolidae
NOT Notodontidae
NYM Nymphalidae
OEC Oecophoridae
PAN Panorpidae
PAP Papilionidae
PAS Passalidae
PEN Pentatomidae
PHA Phasmatidae
PHR Phryganeidae
PHY Phylliidae
PIE Pieridae
PLU Plutellidae
POM Pompilidae
PSY Psychodidae
PTE Pterophoridae
PYR Pyralidae
PYRG Pyrgomorphidae
RAP Rhaphidophoridae
RAPH Raphidiidae
RED Reduviidae
RIO Riodinidae
ROM Romaleidae
SAR Sarcophagidae
SAT Saturniidae
SCA Scarabaeidae
SCO Scoliidae
SCU Scutelleridae
SES Sesiidae
SIL Silphidae
SIM Simuliidae
SIR Siricidae
SPH Sphingidae
SPHE Sphecidae
STA Staphylinidae
SYR Syrphidae
TAB Tabanidae
TEN Tenebrionidae
TEP Tephritidae
TET Tettigoniidae
TIP Tipulidae
TOR Tortricidae
TRI Trichogrammatidae
URA Uraniidae
VES Vespidae
YPO Yponomeutidae
ZYG Zygaenidae

Collecting Codes

0 Paleontology
1 Flora & Fauna
2 Botany
3 Zoology
4 Reptile & Amphibian
5 Birds
6 Fish
7 Insects
8 Mammals
9 Marine Life